



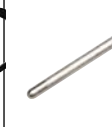
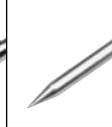
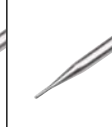
| Models                                    | Advanced meters       |                       | General purpose         |                     |                     |
|-------------------------------------------|-----------------------|-----------------------|-------------------------|---------------------|---------------------|
|                                           | 289/287               | 87V                   | 3000 FC                 | 233                 | 179                 |
| Basic features                            |                       |                       |                         |                     |                     |
| Counts                                    | 50000                 | 20000                 | 6000                    | 6000                | 6000                |
| True-rms readings                         | ac+dc                 | ac                    | ac                      | ac                  | ac                  |
| Basic dc accuracy                         | 0.025 %               | 0.05 %                | 0.09 %                  | 0.25 %              | 0.09 %              |
| Wide bandwidth                            | 100 kHz               | 20 kHz                |                         |                     |                     |
| Auto/manual ranging                       | •/•                   | •/•                   | •/•                     | •/•                 | •/•                 |
| Digits                                    | 4-1/2                 | 4-1/2                 | 3-1/2                   | 3-1/2               | 3-1/2               |
| Intrinsically safe ATEX safety rating     |                       |                       |                         |                     |                     |
| Measurements                              |                       |                       |                         |                     |                     |
| Voltage ac/dc                             | 1000 V                | 1000 V                | 1000 V                  | 1000 V              | 1000 V              |
| Current ac/dc                             | 10 A                  | 10 A                  | 400 mA                  | 10 A                | 10 A                |
| Resistance                                | 500 MΩ                | 50 MΩ                 | 50 MΩ                   | 40 MΩ               | 50 MΩ               |
| Frequency                                 | 1 MHz                 | 200 kHz               | 100 kHz                 | 50 kHz              | 100 kHz             |
| Capacitance                               | 100,000 µF            | 10,000 µF             | 10,000 µF               | 10,000 µF           | 10,000 µF           |
| Temperature                               | (+) 1350 °C (2462 °F) | (+) 1090 °C (1994 °F) |                         | (+) 400 °C (752 °F) | (+) 400 °C (752 °F) |
| Conductance/dB                            | 50 nS/60 dB           | 50 nS/-               |                         |                     |                     |
| Duty cycle/pulse width                    | •/•                   | •/-                   |                         |                     |                     |
| Continuity/diode test                     | •                     | •                     | •                       | •                   | •                   |
| Motor Drive (ASD) Measurements            | • (289)               | •                     |                         |                     |                     |
| VoltAlert™, non-contact voltage detection |                       |                       |                         |                     |                     |
| VCHECK™                                   |                       |                       |                         |                     |                     |
| Lo ohms                                   | • (289)               |                       |                         |                     |                     |
| LoZ: low input impedance                  | • (289)               |                       |                         |                     |                     |
| Microamps                                 | •                     | •                     |                         |                     |                     |
| Display                                   |                       |                       |                         |                     |                     |
| Fluke Connect® enabled                    | ••                    |                       | •                       |                     |                     |
| Backlight                                 | Two level             | Two level             | •                       | •                   | •                   |
| Graphical trend display                   | •                     | •                     |                         |                     | •                   |
| Diagnostics and data                      |                       |                       |                         |                     |                     |
| Min/max recording with time stamp         | •/•                   | •/-                   | •/-                     | •/-                 | •/-                 |
| Display hold/auto (touch) hold            | •/•                   | •/•                   | •/•                     | •/•                 | •/•                 |
| Relative reference                        | •                     | •                     |                         |                     |                     |
| Stand-alone logging                       | •                     |                       |                         |                     |                     |
| Trend capture                             |                       |                       |                         |                     |                     |
| Readings memories                         | 10,000                |                       | (with FC app)           |                     |                     |
| USB interface                             | •                     |                       |                         |                     |                     |
| Other features                            |                       |                       |                         |                     |                     |
| Automatic selection, ac/dc volts          |                       |                       |                         |                     |                     |
| Infrared camera resolution                |                       |                       |                         |                     |                     |
| Infrared camera range                     |                       |                       |                         |                     |                     |
| iFlex compatibility                       |                       |                       | (With separate modules) |                     |                     |
| Insulation test voltages                  |                       |                       |                         |                     |                     |
| PI/DAR timed ratio test                   |                       |                       |                         |                     |                     |
| Completely sealed and watertight          |                       |                       |                         |                     |                     |
| Warranty and electrical safety            |                       |                       |                         |                     |                     |
| Warranty (years)                          | Lifetime              | Lifetime              | 3                       | 3                   | Lifetime            |
| Input alert                               | •                     | •                     |                         |                     |                     |
| IP rating                                 |                       | IP30                  | IP54                    |                     |                     |
| EN61010-1 CAT III                         | 1000 V                | 1000 V                | 1000 V                  | 1000 V              | 1000 V              |
| EN61010-1 CAT IV                          | 600 V                 | 600 V                 | 600 V                   | 600 V               | 600 V               |



| Models                                    | Compact meters |           |             | Specialty meters               |                                    |                       |           |
|-------------------------------------------|----------------|-----------|-------------|--------------------------------|------------------------------------|-----------------------|-----------|
|                                           | 117/115        | 116       | 114/113     | 279 FC                         | 1587 FC                            | 28 II/28 II Ex        | 27 II     |
| Basic features                            |                |           |             |                                |                                    |                       |           |
| Counts                                    | 6000           | 6000      | 6000        | 6000                           | 6000                               | 20000                 | 6000      |
| True-rms readings                         | ac             | ac        | ac          | ac                             | ac                                 | ac                    |           |
| Basic dc accuracy                         | 0.5 %          | 0.5 %     | 0.5 %       | 0.09 %                         | 0.09 %                             | 0.05 %                | 0.1 %     |
| Wide bandwidth                            |                |           |             |                                |                                    | 20 kHz                | 30 kHz    |
| Auto/manual ranging                       | •/•            | •/•       | •/•         | •/•                            | •/•                                | •/•                   | •/•       |
| Digits                                    | 3-1/2          | 3-1/2     | 3-1/2       | 3-1/2                          | 4-1/2                              | 4-1/2 / 3-1/2         | 3-1/2     |
| Intrinsically safe ATEX safety rating     |                |           |             |                                |                                    | 28 II Ex              |           |
| Measurements                              |                |           |             |                                |                                    |                       |           |
| Voltage ac/dc                             | 600 V          | 600 V     | 600 V       | 1000 V                         | 1000 V                             | 1000 V                | 1000 V    |
| Current ac/dc                             | 10 A           | 600 µA    |             | 2500 A ac (with iFlex)         | 400 mA                             | 10 A                  | 10 A      |
| Resistance                                | 40 MΩ          | 40 MΩ     | 40 MΩ       | 50 MΩ                          | 50 MΩ                              | 50 MΩ                 | 50 MΩ     |
| Frequency                                 | 100 kHz        | 100 kHz   |             | 100 kHz                        | 100 kHz                            | 200 kHz               | 200 kHz   |
| Capacitance                               | 10,000 µF      | 10,000 µF |             | 10,000 µF                      | 10,000 µF                          | 10,000 µF             | 10,000 µF |
| Temperature                               |                | +400 °C   |             | IR camera<br>-10 °C to +200 °C | +537 °C<br>(998.6 °F)              | +1090 °C<br>(1994 °F) |           |
| Conductance/dB                            |                |           |             |                                |                                    | 60 nS/-               | 60 nS/-   |
| Duty cycle/pulse width                    |                |           |             |                                |                                    | •/-                   | •/-       |
| Continuity/diode test                     | •              | •         | •           | •                              | •                                  | •                     | •         |
| Motor Drive (ASD) Measurements            |                |           |             | •                              | •                                  | •                     |           |
| VoltAlert™, non-contact voltage detection | • (117)        |           |             |                                |                                    |                       |           |
| VCHECK™                                   |                |           |             |                                |                                    |                       |           |
| Lo ohms                                   |                |           |             |                                |                                    |                       |           |
| LoZ: low input impedance                  | • (117)        | •         | •           |                                |                                    |                       |           |
| Microamps                                 |                | •         |             |                                | •                                  | •                     | •         |
| Display                                   |                |           |             |                                |                                    |                       |           |
| Fluke Connect® enabled                    |                |           |             | •                              |                                    |                       |           |
| Backlight                                 | •              | •         | •           | •                              |                                    | Two level             | Two level |
| Graphical trend display                   |                |           |             |                                |                                    |                       |           |
| Diagnostics and data                      |                |           |             |                                |                                    |                       |           |
| Min/max recording with time stamp         | •/-            | •/-       | •/-         | •/-                            | •/-                                | •/-                   | •/-       |
| Display hold/auto (touch) hold            | •/-            | •/-       | •/-         | •/•                            | •/•                                | •/•                   | •/•       |
| Relative reference                        |                |           |             |                                |                                    | •                     | •         |
| Stand-alone logging                       |                |           |             |                                |                                    |                       |           |
| Trend capture                             |                |           |             |                                |                                    |                       |           |
| Readings memories                         |                |           |             | (with FC app)                  | (with FC app)                      |                       |           |
| USB interface                             |                |           |             |                                |                                    |                       |           |
| Other features                            |                |           |             |                                |                                    |                       |           |
| Automatic selection, ac/dc volts          | • (117)        | •         | •           |                                |                                    |                       |           |
| Infrared camera resolution                |                |           |             | 80 x 60                        |                                    |                       |           |
| Infrared camera range                     |                |           |             | -10 °C, +200 °C                |                                    |                       |           |
| iFlex compatibility                       |                |           |             | •                              |                                    |                       |           |
| Insulation test voltages                  |                |           |             |                                | 500 V, 100 V, 250 V, 500 V, 1000 V |                       |           |
| PI/DAR timed ratio test                   |                |           |             |                                | •                                  |                       |           |
| Completely sealed and watertight          |                |           |             |                                |                                    | •                     | •         |
| Warranty and electrical safety            |                |           |             |                                |                                    |                       |           |
| Warranty (years)                          | 3              | 3         | 3           | 3                              | 3                                  | Lifetime/3            | Lifetime  |
| Input alert                               |                |           |             |                                | •                                  | •                     | •         |
| IP rating                                 | IP42           | IP42      | IP42        | IP40                           | IP40                               | IP67                  | IP67      |
| EN61010-1 CAT III                         | 600 V          | 600 V     | 600 V       | 1000 V                         | 1000 V                             | 1000 V                | 1000 V    |
| EN61010-1 CAT IV                          |                |           | 600 V (113) | 600 V                          | 600 V                              | 600 V                 | 600 V     |

Find how-to videos, application notes and other useful resources on the digital multimeter product pages on [www.fluke.com](http://www.fluke.com)

TEMPERATURE ACCESSORIES

|                       | Bead                                                                              | Bead                                                                              | HVAC                                                                              | Immersion                                                                         | Surface                                                                                | Air                                                                               | Piercing                                                                            | General purpose                                                                     | Industrial surface                                                                       | Pipe clamp                                                                           |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                       |  |  |  |  |       |  |   |  |       |   |
|                       | 80BK-A                                                                            | 80PK-1<br>80PJ-1                                                                  | 80PK-11                                                                           | 80PK-22                                                                           | 80PK-3A                                                                                | 80PK-24                                                                           | 80PK-25<br>80PT-25                                                                  | 80PK-26                                                                             | 80PK-27                                                                                  | 80PK-8                                                                               |
| Lowest temperature    | -40 °C<br>(-40 °F)                                                                |                                                                                   | -30 °C<br>(-22 °F)                                                                | -40 °C<br>(-40 °F)                                                                | 0 °C<br>(32 °F)                                                                        | -40 °C<br>(-40 °F)                                                                | K Type: -40 °C<br>(-40 °F) T Type:<br>-196 °C (-321 °F)                             | -40 °C<br>(-40 °F)                                                                  | -127 °C<br>(-196 °F)                                                                     | -29 °C<br>(-20 °F)                                                                   |
| Highest temperature   | 260 °C<br>(500 °F)                                                                |                                                                                   | 105 °C<br>(221 °F)                                                                | 1090 °C<br>(1994 °F)                                                              | 260 °C<br>(500 °F)                                                                     | 816 °C<br>(1500 °F)                                                               | 350 °C<br>(662 °F)                                                                  | 816 °C<br>(1500 °F)                                                                 | 600 °C<br>(1112 °F)                                                                      | 149 °C<br>(300.2 °F)                                                                 |
| Probe material        | Type K wire with<br>teflon insulation                                             |                                                                                   | Velcro                                                                            | Inconel 600                                                                       | Type K sensor<br>with teflon body                                                      | Inconel                                                                           | 316 Stainless<br>Steel                                                              | 304 Stainless Steel                                                                 |                                                                                          | Type K sensor<br>with PVC body                                                       |
| Probe length          | 1 m lead wire                                                                     |                                                                                   | 19 in Velcro cuff                                                                 | 21.27 cm<br>(8.375 in)                                                            | 9.525 cm<br>(3.75 in)                                                                  | 21.59 cm<br>(8.5 in)                                                              | 10.16 cm<br>(4 in)                                                                  | 21.57 cm<br>(8.5 in)                                                                | 20.32 cm<br>(8 in)                                                                       | For pipes from<br>6.4 mm (.25<br>in) to 34.9 mm<br>(1.375 in)                        |
| Cable length          | 1 m (3.3 ft)                                                                      |                                                                                   |                                                                                   |                                                                                   | 1.3 m (4 ft)                                                                           | 1 m (3.3 ft)                                                                      |                                                                                     |                                                                                     |                                                                                          |                                                                                      |
| Connection            | Standard<br>banana jack                                                           |                                                                                   | Molded thermocouple plug                                                          |                                                                                   |                                                                                        |                                                                                   |                                                                                     |                                                                                     |                                                                                          |                                                                                      |
| SureGrip™<br>handle   |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |                                                                                        | •                                                                                 | •                                                                                   | •                                                                                   | •                                                                                        |                                                                                      |
| Key feature           | Ideal for initial troubleshooting. Can<br>be secured in place with a magnet.      |                                                                                   | Velcro probe<br>allows hands-<br>free temperature<br>measurement.                 | For use in<br>liquids or in gels.                                                 | Exposed junction<br>for direct contact<br>with flat or<br>slightly convex<br>surfaces. | Perforated baffle<br>for air and<br>noncaustic gas<br>measurements.               | Probe material<br>safe for use in<br>foods. Sharp tip<br>pierces solid<br>surfaces. | Use for general-<br>purpose air<br>or surface<br>measurements.                      | Low-conductivity<br>stainless steel<br>minimizes ther-<br>mal shunting.<br>Extra rugged. | Clamps secure-<br>ly to pipe.<br>Measurements<br>are repeatable to<br>0.56 °C (1 °F) |
| Thermocouple<br>types | K                                                                                 | K, J                                                                              | K                                                                                 | K                                                                                 |                                                                                        |                                                                                   | K, T                                                                                | K                                                                                   |                                                                                          |                                                                                      |
| Typical use           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                        |                                                                                   |                                                                                     |                                                                                     |                                                                                          |                                                                                      |
| General<br>purpose    | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                      | •                                                                                 | •                                                                                   | •                                                                                   | •                                                                                        | •                                                                                    |
| HVAC                  |                                                                                   | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                      | •                                                                                 |                                                                                     | •                                                                                   | •                                                                                        | •                                                                                    |
| Food service          |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |                                                                                        |                                                                                   | •                                                                                   |                                                                                     |                                                                                          |                                                                                      |
| Industrial            | •                                                                                 | •                                                                                 | •                                                                                 |                                                                                   |                                                                                        |                                                                                   |                                                                                     |                                                                                     | •                                                                                        | •                                                                                    |
| Residential           | •                                                                                 | •                                                                                 |                                                                                   |                                                                                   | •                                                                                      | •                                                                                 | •                                                                                   |                                                                                     |                                                                                          | •                                                                                    |
| Commercial            | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                      | •                                                                                 | •                                                                                   | •                                                                                   | •                                                                                        | •                                                                                    |

Temperature accessories selection guide

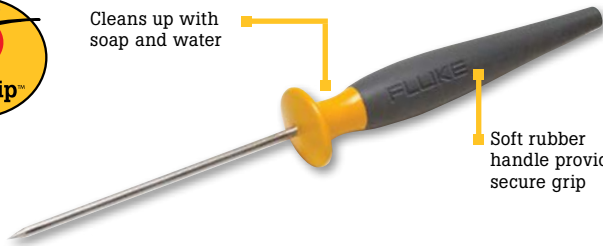
|                | 113/114/115/116/117 | 175/177 | 179 | 233 | 3000 FC DMM | 287/289 | 27-II/28-II | 88454/8846A/8808A | 77 IV | 83 V | 87 V/88V | 43B | 120 Series | 190 Series II | 1577 | 1587 FC | 51/52/53/54-II | 561 | 566/568/572-2 | 705/707 | 714 | 715 | 724/725 | 753/754 | 787/789 |
|----------------|---------------------|---------|-----|-----|-------------|---------|-------------|-------------------|-------|------|----------|-----|------------|---------------|------|---------|----------------|-----|---------------|---------|-----|-----|---------|---------|---------|
| Contact probes |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         |                |     |               |         |     |     |         |         |         |
| 80PK-1/80PK-27 | 1                   | 1       | 2   | 2   | 2           | 2       | 2           | 1                 | 1     | 1    | 2        | 1   | 1          | 1             | 1    | 2       | •              | •   | •             | 1       | •   | 1   | •       | •       | 1       |
| 80PJ-1/80PJ-9  |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |
| 80PT-25        |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |
| DMM probes     |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         |                |     |               |         |     |     |         |         |         |
| 80AK-A         | •3                  |         | •   | •   |             | •       | •5          |                   |       |      | •        |     |            |               |      | •       | •              |     |               |         |     |     |         |         |         |
| 80BK-A         | •3                  |         | •   | •   |             | •       | •5          |                   |       |      | •        |     |            |               |      | •       |                |     |               |         |     |     |         |         |         |
| 80TK           | •                   |         |     |     |             |         | •6          | •                 | •     | •    |          | •   | •          | •             | •    |         |                |     |               | •       |     | •   |         | •       | •       |
| 80T-150UA      | •                   | •       | •   | •   | •           | •       | •           | •                 | •     | •    | •        | •   | •          | •             | •    | •       |                |     | •             |         |     | •   |         | •       | •       |
| Miscellaneous  |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         |                |     |               |         |     |     |         |         |         |
| 80CK-M         | 1                   | 1       | 2   | 2   | 2           | 2       | 2           | 1                 | 1     | 1    | 2        | 1   | 1          | 1             | 1    | 2       | •              | •   | •             | 1       | •   | 1   | •       | •       | 1       |
| 80CJ-M         |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |
| 80PK-EXT (4)   | 1                   | 1       | 2   | 2   | 2           | 2       | 2           | 1                 | 1     | 1    | 2        | 1   | 1          | 1             | 1    | 2       | •              | •   | •             | 1       | •   | 1   | •       | •       | 1       |
| 80PJ-EXT       |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |
| 80PT-EXT       |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |
| 80PT-EXT       |                     |         |     |     |             |         |             |                   |       |      |          |     |            |               |      |         | •              |     |               |         | •   |     | •       | •       |         |

SureGrip™ temperature accessories

The innovative SureGrip design from Fluke is now available in select temperature probes. The soft rubber handle combined with a new ergonomic shape is so comfortable to hold that you'll forget about the probe and focus on the measurement. All SureGrip probes have an improved, more flexible strain relief for a long life.



Cleans up with soap and water



Soft rubber handle provides a secure grip

CASES AND HOLSTERS

|                        | Soft cases                                                                          |                                                                                     |                                                                                                     |                                                                                     |                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                        |  |  |                  |  |                  |
|                        | C23 Soft Carrying Case                                                              | C25 Large Soft Case for DMMs                                                        | C35 Soft Carrying Case                                                                              | C150 Soft Carrying Case                                                             | C280 Soft Carrying Case                                                                             |
| Description            | Zippered case with belt loop and an inner pocket                                    | Zippered carrying case with padding and inside pocket                               | Opens laterally, allowing the use of test tool without removing it. Includes a hook-and-loop strap. | Zippered carrying case with inner pocket for test leads and accessories             | Designed for large tools. Includes shoulder strap and inner front pocket and dual pouches for tools |
| Material               | Durable vinyl                                                                       | Polyester                                                                           | Durable polyester 600D                                                                              | Durable polyester 600D                                                              | Durable polyester 600D                                                                              |
| Dimensions (H x W x D) | 225 x 95 x 58 mm<br>8.9 x 3.75 x 2.3 in                                             | 218 x 128 x 64 mm<br>8.6 x 5 x 2.52 in                                              | 220 x 140 x 65 mm<br>8.7 x 5.5 x 2.6 in                                                             | 298 x 114 x 56 mm<br>11.75 x 4.5 x 2.2 in                                           | 230 x 185 x 65 mm<br>9 x 7.3 x 2.6 in                                                               |
| Recommended for:*      | Fluke 61/65 IR Thermometers, 321/322 Clamp Meters                                   | 11x series, 87v, 32x series and most mid-sized DMMs                                 | 11x series, 87v, 32x series and most mid-sized DMMs                                                 | 37x series, T5, T90/110/130/150                                                     | 287, 289 and other larger tools                                                                     |

|                        | Hard cases                                                                                                 |                                                                                     |                                                                                           |                                                                                               |                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                        |                         |  |        |            |                 |
|                        | C101 Hard Case                                                                                             | C100 Universal Carrying Case                                                        | C20 Hard Case                                                                             | C800 Meter and Accessory Case                                                                 | CXT1000 Extreme Case                                                                               |
| Description            | Tough polypropylene case with configurable diced foam interior to store and protect tools                  | Large, tough polypropylene case with carrying handle                                | Heavy-duty construction with handle and storage, designed to hold a meter and accessories | Tough polypropylene case with handle, snap-on detachable lid and compartments for accessories | Features a diced foam interior for custom storage and automatic purge valve for quick equalization |
| Dimensions (H x W x D) | Exterior: 305 x 360 x 105 mm<br>(12 x 14.2 x 4.1 in)<br>Interior: 230 x 290 x 65 mm<br>(9 x 11.5 x 2.5 in) | 397 x 346 x 122 mm<br>15.7 x 13.6 x 4.8 in                                          | 256 x 154 x 106 mm<br>10 x 6.1 x 4.2 in                                                   | 230 x 385 x 115 mm<br>9 x 15 x 4.5 in                                                         | 343 x 465 x 178 mm<br>13.5 x 18.3 x 7 in                                                           |

|                        | Specialty cases: camo and leather                                                     |                                                                                       |                                                                                       |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                        |  |  |  |  |
|                        | C520a Leather Tester Case                                                             | C510 Leather Meter Case                                                               | CAMO C-25                                                                             | Camo C-37                                                                             |
| Material               | Rugged leather                                                                        | Rugged leather                                                                        | High-quality 1000D fabric                                                             | High-quality 1000D fabric                                                             |
| Dimensions (H x W x D) | 256 x 154 x 106 mm<br>10 x 6 x 4 in                                                   | 287 x 179 x 106 mm<br>11 x 7 x 4 in                                                   | 203 x 121 x 46 mm<br>8 x 4.8 x 1.8 in                                                 | 265 x 90 x 30 mm<br>10.5 x 3.5 x 1.2 in                                               |
| Recommended for:*      | T5/T+/T Pro                                                                           | 17x series, 87v 71x and 72x series                                                    | 11x series, 87v, 32x series and most mid-sized DMMs                                   | 37x series, T5/T+/T Pro                                                               |

|                        | Holsters                                                                              |                                                                                       |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                        |  |  |  |
|                        | H5 Electrical Tester Holder                                                           | H-T6 Electrical Tester Holder                                                         | H3 Clamp Meter Holder                                                                 |
| Dimensions (H x W x D) | 192 x 90 x 38 mm<br>7.5 x 3.5 x 1.5 in                                                | 192 x 90 x 38 mm<br>7.5 x 3.5 x 1.5 in                                                | 231 x 90 x 64 mm<br>9 x 3.5 x 2.5 in                                                  |
| Recommended for:*      | T3 and T5 Electrical Testers                                                          | T6 Electrical Testers                                                                 | 37x series, T5, T90/110/130/150                                                       |

|                        | Tool bags                                                                               |                                                                                        |
|------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|                        |    |   |
|                        | C345 Soft Case                                                                          | C550 Tool Bag                                                                          |
| Description            | Zippered carrying case with inner front pocket and detachable handle and shoulder strap | Rugged, weather-resistant tool bag with zippered top, large compartment and 25 pockets |
| Material               | Durable polyester 600D                                                                  | Ballistic cloth with heavy-duty hardware                                               |
| Dimensions (H x W x D) | 318 x 230 x 90 mm<br>12.5 x 9.1 x 3.5 in                                                | 333 x 513 x 231 mm<br>13 x 20.2 x 9.1 in                                               |

\*For a full compatibility chart, check [www.fluke.com/accessories](http://www.fluke.com/accessories)

CLAMPS

|                 | AC current clamps                      |                                                                                                      |                                                                |                                                                               |                                                                                        |                                                                              |                                                                                             |
|-----------------|----------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|                 |                                        |                                                                                                      |                                                                |                                                                               |                                                                                        |                                                                              |                                                                                             |
|                 | i200 AC                                | i200s AC                                                                                             | i400 AC                                                        | i400s AC                                                                      | i800 AC                                                                                | i1000s AC                                                                    | i3000s AC                                                                                   |
| Description     | Small-sized single-range current clamp | Dual-range current clamp. Ideal companion to a ScopeMeter™, power quality tool or digital multimeter | Single range designed to offer maxium utility in compact shape | Compact current clamp. Ideal companion to a ScopeMeter or power quality tool. | Designed to extend the current measuring capability of a digital multimeter up to 800A | Large ac current clamp for applications in power and industrial environments | Designed as a clamp-on unit for oscilloscopes up to 3000A. Includes dual banana/BNC adapter |
| Connector       | Banana plug                            | Safety-insulated BNC connector/dual banana adapter                                                   | Banana plug                                                    | Safety-insulated BNC connector                                                | Banana plug                                                                            | Safety-insulated BNC connector                                               | Safety-insulated BNC connector/dual banana adapter                                          |
| Current range   | 1 A to 200 A ac                        | 0.1 A to 200 A ac                                                                                    | 1 A to 400 A ac                                                | 0.5 A to 400 A ac                                                             | 100 mA to 800 A rms ac                                                                 | 0.1 A to 1000 A ac                                                           | 1 A to 3000 A                                                                               |
| Frequency range | 40 Hz to 40 kHz (-3 dB)                | 40 Hz to 40 kHz (-3 dB)                                                                              | 5 Hz to 20 kHz (-3 dB)                                         | 5 Hz to 10 kHz (-3 dB)                                                        | 30 Hz to 10 kHz (-3 dB)                                                                | 5 Hz to 100 kHz                                                              | 10 Hz to 100 kHz                                                                            |
| Safety rating   | CAT III 600 V                          | CAT III 600 V                                                                                        | CAT IV 600 V, CAT III 1000 V                                   | CAT IV 600 V, CAT III 1000 V                                                  | CAT III 600 V rms                                                                      | CAT III 600 V                                                                | CAT III 600 V                                                                               |

|                 | Flex AC current clamps                                                     |                                                                                     |                                                                                     |
|-----------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |                                                                            |                                                                                     |                                                                                     |
|                 | i2000 Flex AC Current Clamp                                                | i3000 Flex-24 or -36 AC Current Clamp                                               | i6000 Flex-24 or -36 AC Current Clamp                                               |
| Description     | Flexible and lightweight measuring head allows quick and easy installation | Clamp fits large conductors and is available in 610 mm and 914 mm (24 in and 36 in) | Clamp fits large conductors and is available in 610 mm and 914 mm (24 in and 36 in) |
| Current range   | 20A, 200A and 2000A switchable                                             | 30A, 300A and 3000A switchable                                                      | 60A, 600A and 6000A switchable                                                      |
| Frequency range | 10 Hz to 20 kHz                                                            | 10 Hz to 50 kHz                                                                     | 10 Hz to 50 kHz (-3 dB)                                                             |
| Safety rating   | CAT III 600 V                                                              | CAT III 600 V                                                                       | CAT III 600 V                                                                       |

The flex clamps use the Rogowski (air-corded coil) principle and can be used to measure three ranges of currents when used in conjunction with oscilloscopes, recorders or data loggers.

|                    | AC/DC current clamps                                                |                                                                                 |                                                                      |                                                                                 |                                                                                 |                                                                                     |
|--------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                    |                                                                     |                                                                                 |                                                                      |                                                                                 |                                                                                 |                                                                                     |
|                    | i410 AC/DC Current Clamp                                            | i1010 AC/DC Current Clamp                                                       | 80i-100s AC/DC Current Clamp                                         | i30 AC/DC Current Clamp                                                         | i30s AC/DC Current Clamp                                                        | i310s AC/DC Current Clamp                                                           |
| Description        | Battery Powered Clamp for hard to reach areas. On/off LED indicator | Large-jaw, battery-powered clamp for hard-to-reach areas. On/off LED indicator. | Compatible with ScopeMeter, power harmonics analyzer and multimeters | Battery clamp compatible with multimeters for nonintrusive current measurements | Battery clamp compatible with ScopeMeters for nonintrusive current measurements | Measurements in inverters, industrial controllers, automotive and waveform analysis |
| Connector          | Banana plug                                                         | Banana plug                                                                     | BNC connector                                                        | Banana plug                                                                     | BNC connector                                                                   | BNC connector                                                                       |
| Current range (ac) | 1 A to 400 A                                                        | 1 A to 600 A ac                                                                 | 0.1 A to 70 A                                                        | 30 mA to 20 A rms                                                               | 30 mA to 20 A rms                                                               | 0.1 A to 300 A                                                                      |
| Current range (dc) | 1 A to 400 A                                                        | 0.5 A to 1000 A dc                                                              | 0.1 A to 100 A                                                       | 30 mA to 30 A                                                                   | 30 mA to 30 A                                                                   | 0.1 A to 300 A                                                                      |
| Frequency range    | 3 kHz                                                               | DC to 10 kHz                                                                    | 1 Hz to 100 kHz                                                      | DC to 20 kHz (-0.5 dB)                                                          | DC to 100 kHz (-0.5 dB)                                                         | DC to 20 kHz                                                                        |
| Safety rating      | CAT III 600 V                                                       | CAT III 600 V rms                                                               | CAT II 600 V                                                         | CAT III 600 V                                                                   | CAT III 600 V                                                                   | CAT III 600 V                                                                       |

RECOMMENDED ACCESSORIES

|                         | Digital multimeters                                                                   |                                                                                                              |                                                                                  |                                                                                       | Clamp meters                                                                                                |                                                                                                                      | Layout and distance       | Electrical testers                                                                   |
|-------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------|
| Models                  | 87V Industrial Multimeter                                                             | 116 Digital HVAC Multimeter                                                                                  | 289 True-rms Data Logging Multimeter                                             | 117 Electrician's Ideal Multimeter                                                    | 902 FC True-rms HVAC Clamp Meter                                                                            | 376 FC True-rms Clamp Meter                                                                                          | 424D Laser Distance Meter | T6-1000 Electrical Tester                                                            |
| Recommended accessories | • C25 Soft Carry Case<br>• TL175 TwistGuard Test Leads<br>• TPAK Magnetic Hanging Kit | • C115 Soft Carry Case<br>• 80PK-8 Temperature Pipe Clamp with 80AK-A adapter<br>• TPAK Magnetic Hanging Kit | • C43 Soft Carry Case<br>• TL175 TwistGuard Test Leads<br>• IR3000FC BLE Adapter | • C115 Soft Carry Case<br>• TL71 Premium Test Lead Set<br>• TPAK Magnetic Hanging Kit | • C33 Soft Carry Case<br>• 80PK-8 Temperature Pipe Clamp with 80AK-A adapter<br>• TPAK Magnetic Hanging Kit | • TL224 SureGrip™ Silicone Insulated Test Leads<br>• TL175 TwistGuard Test Leads<br>• AC285 SureGrip Alligator Clips | Fluke C195 Case           | • H-T6 Holster<br>• TP175 TwistGuard Test Probes<br>• AC285 SureGrip Alligator Clips |

|                         | Indoor air quality                                                              | Insulation testers                                                              | Power quality                                                                                                                                                                                     |                                                                                                                                                                                      | Process calibration tools                                                                                        |                                                                                                   | Portable oscilloscopes                                                                                                              |                                                                                                                          |
|-------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Models                  | 971 Temperature Humidity Meter                                                  | 1587 FC Insulation Multimeter                                                   | 1730 and 1740 Power Energy Loggers                                                                                                                                                                | 430-11 Power Quality Analyzer                                                                                                                                                        | 754 Documenting Process Calibrator                                                                               | 726 Precision Multifunction Process Calibrator                                                    | 190-II ScopeMeter® Test Tools                                                                                                       | 120B Series ScopeMeter Test Tools                                                                                        |
| Recommended accessories | • Fluke C550 Tool Bag<br>• LVD1A Non-Contact Voltage Tester with LED Flashlight | • C25 Soft Carry Case<br>• i400 AC Current Clamp<br>• TPAK Magnetic Hanging Kit | • PQ400 Electrical Measurement Window<br>• Fluke i17XX-flex3000/4pk iFlex® Current Clamp<br>• Fluke 17XX i40s-EL Clamp-on Current Transformers<br>• Fluke MP1 Magnet Probe I, Magnetic Probe Tips | • PQ400 Electrical Measurement Window<br>• Fluke i400s AC Current Clamp<br>• Fluke BP291 4800 mAh High Capacity Li-ion Battery<br>• Fluke BC430 Line Voltage Adapter/Battery Charger | • DPCTrack2 Calibration Management Software<br>• 750P Pressure Modules<br>• 700PTPK2 Pneumatic Test Pressure Kit | • TL71 Premium Test Lead Set<br>• 750P Pressure Modules<br>• 700PTPK2 Pneumatic Test Pressure Kit | • VPS421 High Voltage Probes<br>• EBC290 External Battery Charger for BP290 and BP291<br>• C290 Hard Shell Protective Carrying Case | • BHT190 Break-Out Adapters for Industrial Bus Connections<br>• 80i-110s AC/DC Current Clamp<br>• i400s AC Current Clamp |

|                         | Industrial imaging                                                                                                                       |                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                |                                                                                                                                                                                                                                                                | Vibration and alignment           |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Models                  | ii900 Sonic Industrial Imager                                                                                                            | Ti401 PRO Thermal Imager                                                                                                                                                                                     | Ti480 PRO Thermal Imager                                                                                                                                                                                                                                                                     | TiX501 Thermal Imager                                                                                                                                                          | TiX580 Thermal Imager                                                                                                                                                                                                                                          | 805 FC Vibration Meter            |
| Recommended accessories | • Rechargeable battery to 6 hours: FLK BP291<br>• External dual-bay charger: FLK EDBC 290<br>• Array covers, 2 pack: FLK-II900 Array Cvr | • Tripod Mounting: TI-TRIPOD3<br>• Sun Visor: FLK-Ti-ViSOR3<br>• Viewfinder kit: FLK-Ti-EYEPIECE<br>• 2x telephoto infrared smart lens: FLK 2x LENS<br>• Wide-angle infrared smart lens: FLK 0.75X WIDE LENS | • Tripod Mounting: TI-TRIPOD3<br>• Sun Visor: FLK-Ti-ViSOR3<br>• Viewfinder kit: FLK-Ti-EYEPIECE<br>• Wide-angle infrared smart lens: Flk 0.75X WIDE LENS<br>• 2x telephoto infrared smart lens: FLK 2x LENS<br>• 25 Micron Macro IR: FLK-LENS/25MAC2<br>• 4X telephoto IR: FLK-LENS/4XTELE2 | • Tripod Mounting: TI-TRIPOD3<br>• Viewfinder kit: FLK-Ti-EYEPIECE<br>• 2x telephoto infrared smart lens: FLK 2x LENS<br>• Wide-angle infrared smart lens: Flk 0.75X WIDE LENS | • Tripod Mounting: TI-TRIPOD3<br>• Viewfinder kit: FLK-Ti-EYEPIECE<br>• Wide-angle infrared smart lens: Flk 0.75X WIDE LENS<br>• 2x telephoto infrared smart lens: FLK 2x LENS<br>• 25 Micron Macro IR: FLK-LENS/25MAC2<br>• 4X telephoto IR: FLK-LENS/4XTELE2 | • 805ES External Vibration Sensor |

For a full list of accessories available for your tool, visit [www.fluke.com](http://www.fluke.com)