

**FLUKE**®

## Digital Multimeters

**Features:** • IEC 1010 CAT IV 600V safety rating • 6000 count display • True-rms AC voltage and current • Minimum/Maximum/Average • Frequency and capacitance capabilities • Easy access battery door • Fluke 179 measures temperature in °C and °F • Backlight (Fluke 177 and 179) • Lifetime warranty

**Specifications:** • AC Amps: 0.01mA – 10.00A • DC Amps: 0.01mA – 10.00A • AC Voltage: 0.1mV – 1000V • DC Voltage: 0.1mV – 1000V • Resistance: 0.1Ω – 50.00MΩ • Capacitance: 1nF – 9999µF • Frequency: 0.01Hz – 100kHz • Temperature (Fluke 179 only): -40°C – 400°C; -40°F – 752°F

**Includes:** • Installed 9V battery • Test leads • User's manual • 80BK-A Temperature Probe (Fluke 179 only)



Fluke 179

| Digi-Key Part No. | Price Each | Fluke Part No. |
|-------------------|------------|----------------|
| 614-1019-ND       | 229.95     | FLUKE-175 ESFP |
| 614-1020-ND       | 239.95     | FLUKE-177 ESFP |
| 614-1021-ND       | 249.95     | FLUKE-179 ESFP |

## Electronics Combo Kit

**Includes:** • Fluke 179 True-rms Digital Multimeter with backlight • Fluke TL224 Silicone Test Leads • Fluke TL910 Electronic Test Probes with Replacement Tips • Fluke AC280 Heavy Duty Hook Clips • Fluke 80BK-A Integrated Temperature Probe • C35 Lightweight Soft Carrying Case

614-1023-ND (FLUKE-179/EDA2) .....\$279.95

## Electrician's Combo Kit

**Includes:** • Fluke 179 True-rms Digital Multimeter • Fluke 1AC-II Volt Alert Non-Contact Voltage Tester • Fluke 80BK-A K-type Temperature Probe • Fluke AC220 Retractable Long Reach Alligator Clips • Fluke TP220 Sharp 12mm stainless steel tip provides reliable contact • Fluke TL224 1.5m silicone leads resist heat • Fluke TPAK TookPak meter hanging accessory to hold meter to steel surfaces • Fluke C35 Lightweight soft case to provide optimal protection and storage

614-1022-ND (FLUKE-179/1AC-II) .....\$279.95

## True-rms Electrical Multimeters

### Fluke 114

**Features:** • Measures up to 600V AC and DC • AutoVolt: automatic AC/DC voltage selection • LoZ: Low input impedance prevents false readings due to "ghost" voltage • Large white LED backlight to work in poorly lit areas • Resistance and continuity • Minimum/Maximum/Average to record signal fluctuations • CAT III 600V safety rated

**Includes:** • TL75 test leads • Holster • User's manual • 9V battery installed

614-1009-ND (FLUKE-114) .....\$129.95

### Fluke 115

**Features:** • Measures up to 600V AC and DC • Resistance, continuity, frequency, capacitance and diode test • Measures 10A • Large white LED backlight to work in poorly lit areas • 10A current measurement • Minimum/Maximum/Average with elapsed time to record signal fluctuations • CAT III 600V safety rated

**Includes:** • TL75 test leads • Holster • User's manual • 9V battery installed

614-1010-ND (FLUKE-115) .....\$149.95

### Fluke 117

**Features:** • Measures up to 600V AC and DC • VoltAlert™ technology for non-contact voltage detection • LoZ: Low input impedance prevents false readings due to "ghost" voltage • AutoVolt automatic AC/DC voltage selection • Large white LED backlight to work in poorly lit areas • 10A current measurement • Resistance, continuity, frequency, and capacitance • Minimum/Maximum/Average to record signal fluctuations • CAT III 600V safety rated

**Includes:** • TL75 test leads • Holster • User's manual • 9V battery installed

614-1011-ND (FLUKE-117) .....\$179.95



Fluke 114

## True-rms Multimeters with TrendCapture

### Fluke 287 Electronic Logging Meter

**Features:** • 50,000 count, 320 x 240 Dot matrix display with white backlight • 0.025% Basic DC accuracy • Logging function with TrendCapture • Optical USB PC communication interface • Field upgradable and expandable • i-info button • Internal memory allows stand-alone logging for up to 180 hours • Multi-lingual interface • True-rms AC voltage and current for accurate measurements on complex signals or non-linear loads. 100kHz AC bandwidth specified • Current measurement 20A (30 seconds momentary; 10A continuous) • Peak capture to record transients as fast as 250µs • Continuity/Conductance/Capacitance • Resistance and continuity • CAT III 1000V/CAT IV 600V safety rated • Limited lifetime warranty

614-1061-ND (FLUKE-287) .....\$499.95



Fluke 287

## TLK287 Electronics Master Test Lead Set

**Features:** • Precision electronic probes with multiple spring-loaded sharp tips maximize contact with SMD test points • Micro-grabbers and leads necessary for fine SMD test • Mini-alligator clips, grabbers and probes • Both modular test leads and lead-probe combinations

614-1064-ND (TLK287) RoHS Compliant .....\$114.95

## Fluke 289 Industrial Logging Meter

**Features:** • 50,000 count, 320 x 240 Dot matrix display with white backlight • 0.025% Basic DC accuracy • Logging function with TrendCapture • Optical USB PC communication interface • Field upgradable and expandable • i-info button • Internal memory allows stand-alone logging for up to 180 hours • Multi-lingual interface • True-rms AC voltage and current for accurate measurements on complex signals or non-linear loads, 100kHz AC bandwidth specified • Current measurement 20A (30 seconds momentary; 10A continuous) • Peak capture to record transients as fast as 250µs • Continuity/Conductance/Capacitance • Resistance and continuity • LoZ Volts: Low input impedance prevents false reading due to "ghost" voltage • Low Pass Filter for accurate voltage and frequency measurements on adjustable speed motor drives • 50Ω range with 1 milliohm resolution, for measuring motor winding and making low ohm measurement • CAT III 1000V/CAT IV safety rated • Limited lifetime warranty

614-1062-ND (FLUKE-289) .....\$529.95

## Fluke 289/FVF

**Includes:** • Fluke-289 True-rms Industrial Logging Multimeter with TrendCapture • FlukeView Forms Software and cable • 80BK-A thermocouple • TL 71 Silicon Test Lead Set • AC72 Alligator Clips • TPAK Magnetic Meter Hanger for hands-free operation • C280 Soft case for meter protection and accessory storage

614-1063-ND (FLUKE-289/FVF) .....\$599.95

## TLK289 Industrial Master Test Lead Set

**Includes:** • SureGrip™ alligator clips, grabbers, hook clips and industrial test probes • Magnetic hanger • Temperature adapter with K-Type thermocouple • C116 Soft case with moveable divider • Recommended for use with Fluke 87V, 116, 179, 187, 189, 287, 289, 1587 DMMs

614-1065-ND (TLK289) RoHS Compliant .....\$114.95

## FVF-SC2

FlukeView Forms Software and cable.

614-1067-ND (FVF-SC2) RoHS Compliant .....\$172.94

## Insulation Resistance Testers and Multimeters



### Fluke 1507/1503 Insulation Resistance Testers

**Features:** • Live circuit detection prevents insulation test if voltage >30V is detected for added user protection • Auto-discharge of capacitive voltage for added user protection • Save battery power with auto power off • Read measurements easily with large, backlit display • CAT IV 600V overvoltage category rating for added user protection • 1 year warranty

**Specifications:** • Resistance: 0.1Ω – 20.00kΩ • AC/DC voltage: 0.1V – 600V

**Includes:** • Remote probe • Test leads • Probes • Alligator clips



Fluke 1507



Fluke 1577

### Fluke 1587/1577 Insulation Multimeters

**Features:** • Large display with backlight • Live circuit detection prevents insulation test if voltage >30V is detected for added user protection • Auto-discharge of capacitive voltage for added user protection • AC/DC voltage, DC millivolts, AC/DC milliamps, Resistance (Ω), Continuity • Filter for motor drive measurements (Fluke 1587 only) • Capacitance, Diode test, Temperature, Minimum/Maximum, Frequency (Hz) (Fluke 1587 only) • Auto power off to save battery power • CAT III 1000V, CAT IV 600V measurement category • 3 year warranty

**Includes:** • Remote probe • Test leads • Probes • Alligator clips • K-type thermocouple (Fluke 1587 only)

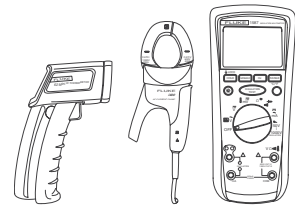
| Insulation Test Range | Insulation Test Voltages     | Digi-Key Part No. | Price Each | Fluke Part No. |
|-----------------------|------------------------------|-------------------|------------|----------------|
| 0.01MΩ – 10GΩ         | 50V, 100V, 250V, 500V, 1000V | 614-1013-ND       | 427.94     | FLUKE-1507     |
| 0.1MΩ – 2000MΩ        | 500V, 1000V                  | 614-1012-ND       | 324.94     | FLUKE-1503     |
| 0.01MΩ – 2GΩ          | 50V, 100V, 250V, 500V, 1000V | 614-1016-ND       | 587.00     | FLUKE-1587     |
| 0.1MΩ – 600MΩ         | 500V, 1000V                  | 614-1015-ND       | 473.94     | FLUKE-1577     |

## Fluke 1587/ET Advanced Electrical Troubleshooting Kit

**Applications:** • Use the Fluke 1587 to perform insulation tests plus a wide range of DMM tasks with confidence and ease • Use the Fluke i400 with the Fluke 1587 to accurately measure AC current without breaking the circuit • Check for hot spots and measure temperature with the Fluke 62 Mini non-contact thermometer

**Includes:** • Fluke 62 Mini Infrared Thermometer • Fluke i400 Current Clamp • Fluke 1587 Insulation Multimeter

614-1017-ND (FLUKE-1587 ET) .....\$749.94



Fluke 62

Fluke i400

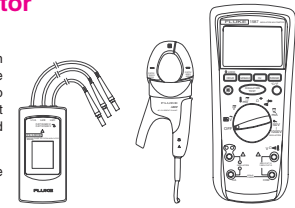
Fluke 1587

## Fluke 1587/MDT Advanced Motor and Drive Troubleshooting Kit

**Applications:** • Use the Fluke 1587 to perform insulation tests plus a wide range of DMM tasks with confidence and ease • Use the Fluke i400 with the Fluke 1587 to accurately measure AC current without breaking the circuit • Check the rotation of three-phase motors easily and safely with the Fluke 9040

**Includes:** • Fluke 9040 Phase Rotation Indicator • Fluke i400 Current Clamp • Fluke 1587 Insulation Multimeter

614-1018-ND (FLUKE-1587 MDT) .....\$837.00



Fluke 9040

Fluke i400

Fluke 1587

More Product Available Online: [www.digkey.com](http://www.digkey.com)

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

(T083) 2259

**FLUKE**®

## True-RMS Multimeter with Temperature

**Features:**

- True-rms AC voltage and current measurements • 4 1/2 digit mode for precise measurements • Large display digits and two-level bright white backlight for increased visibility • 10,000µF capacitance range • Measures up to 1000V AC and DC • Measures up to 10A, 20A for up to 30 seconds • Resistance, continuity and diode test • Frequency to 200kHz and % duty cycle • Minimum/Maximum/Average recording • Low Pass Filter for accurate voltage and frequency measurements on adjustable speed motor drives • Limited lifetime warranty • CAT IV 600V and CAT III 1000V electrical safety ratings

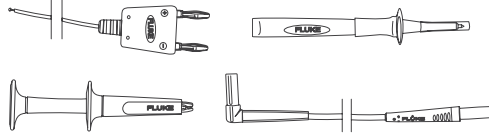
**Includes:**

- TL75 Test Leads • AC72 alligator clips • Holster • 9V battery installed • Temperature probe • CD-ROM User's manual

614-1042-ND (FLUKE-87-5) ..... \$369.95



## Industrial Electrician Combo Kit



**Includes:**

- Fluke 87V True-rms multimeter • AC220 SureGrip™ alligator clip set • C35 Lightweight soft accessory case • TL224 SureGrip silicone test lead set • 80BK-A Integrated DMM probe, type K • TP38 SureGrip Test lead set and probe set • TPAK Magnetic hanger

614-1043-ND (FLUKE-87-5/E2 KIT) ..... \$419.95



## Fluke 8808A 5.5 Digit Multimeters

**Features:**

- 5.5 Digit Resolution • Dual Display • Measures V DC/AC, I DC/AC, ohms, frequency, continuity, diode • Basic V DC accuracy of up to 0.015% • Minimum, Maximum, Relative, dB, dBm • 2x4 wire ohm measurement technique • Dedicated DC leakage current ranges • Six dedicated buttons for fast access to instrument setups • Hi/Lo limit compare for Pass/Fail testing • RS-232 interface

**8808A/SU Includes:**

- Fluke 8808A package • FlukeView Forms basic software • USB to RS-232 interface adapter cable

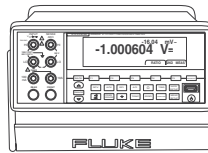
614-1068-ND 5.5 Digit Multimeter (8808A 120V) ..... \$745.00

614-1069-ND 5.5 Digit Multimeter, SW USB Cable Kit (8808A/SU 120V) ..... \$945.00

## Fluke 8845A/8846A, 6.5 Digit Precision Multimeters

**Features:**

- 6.5 digit resolution • Basic VDC accuracy of up to 0.0024% • Dual display • 100µA - 10A current range, with up to 100pA resolution • Wide ohms range from 10Ω - 1GΩ with up to 10µΩ resolution • 2x4 wire ohm measurement technique • Measures frequency and period (Model 8846A also measures capacitance and temperature) • Graphical display • Trendplot™ paperless recorder mode, statistics and histogram • CAT I 1000V and CAT II 600V safety ratings



Fluke 8846A

614-1000-ND 6.5 Digit Precision Multimeter (8845A 120V) ..... \$995.00

614-1001-ND 6.5 Digit Precision Multimeter, Software and Cable Included (8845A/SU 120V) ..... \$1195.00

614-1002-ND 6.5 Digit Precision Multimeter, USB Memory (8846A 120V) ..... \$1395.00

614-1003-ND 6.5 Digit Precision Multimeter, USB Memory, Software and Cable Included (8846A/SU 120V) ..... \$1595.00

614-1004-ND 100Ω RTD Temperature Probe (884X-RTD) ..... \$500.00

614-1057-ND Single Rack Mount Kit (Y8846S) ..... \$95.00

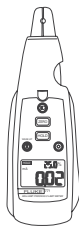
614-1056-ND Dual Rack Mount Kit (Y8846D) ..... \$125.00

614-1005-ND USB to RS232 Cable Adapter (884X-USB) ..... \$150.00

614-1053-ND 2x4 Wire Ohm Test Lead Probe (TL2X4W-PTII) ..... \$75.00

## NEW! Fluke 771/789 ProcessMeters™

**Fluke 771** - Measure 4 - 20mA signals without breaking the loop with this new, compact clamp meter for PLC and control systems analog I/O. The detachable clamp with extension cable allows you to take measurements in tight locations, and the built-in spot light illuminates hard to see wires in dark enclosures. Count on best in class accuracy of 0.2%. Measure mA signals with 0.01mA resolution.



614-1074-ND ..... \$449.00

**Fluke 789** - The ultimate loop calibration multimeter. The Fluke 789 has a 24-Volt loop supply reducing the need for taking a separate power supply when doing off-line transmitter testing. And with its built-in, selectable 250Ω Hart® resistor, it also eliminates the need to carry a separate resistor with you.



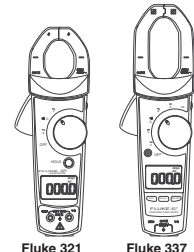
614-1075-ND ..... \$795.00

## Clamp Meters



| Model          | Fluke 321          | Fluke 322          | Fluke 333      | Fluke 334             | Fluke 335             | Fluke 336             | Fluke 337             |
|----------------|--------------------|--------------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| AC Amps (A)    | 0 - 400            | 0 - 40<br>40 - 400 | 0 - 400        | 0 - 600               | 0 - 600               | 0 - 600               | 0 - 999.9             |
| AC Response    | Averaging          | Averaging          | Averaging      | Averaging             | True-rms              | True-rms              | True-rms              |
| DC Amps (A)    | —                  | —                  | —              | —                     | —                     | 0 - 600               | 0 - 999.9             |
| AC Voltage (V) | 0 - 400<br>0 - 600 | 0 - 400<br>0 - 600 | 0 - 600        | 0 - 600               | 0 - 600               | 0 - 600               | 0 - 600               |
| DC Voltage (V) | —                  | 0 - 400<br>0 - 600 | 0 - 600        | 0 - 600               | 0 - 600               | 0 - 600               | 0 - 600               |
| Resistance (Ω) | 0 - 400            | 0 - 400            | 0 - 600        | 0 - 600<br>601 - 6000 | 0 - 600<br>601 - 6000 | 0 - 600<br>601 - 6000 | 0 - 600<br>601 - 6000 |
| Frequency (Hz) | —                  | —                  | —              | —                     | —                     | —                     | 5 - 400               |
| Min/Max Record | No                 | No                 | No             | No                    | No                    | No                    | Yes                   |
| Backlight      | No                 | No                 | No             | No                    | Yes                   | Yes                   | Yes                   |
| Auto Shut-Off  | Yes                | Yes                | Yes            | Yes                   | Yes                   | Yes                   | Yes                   |
| Inrush Mode    | No                 | No                 | No             | Yes                   | Yes                   | Yes                   | Yes                   |
| Safety Rating  | 600V<br>CATIII     | 600V<br>CATIII     | 600V<br>CATIII | 600V<br>CATIII        | 600V<br>CATIII        | 600V<br>CATIII        | 600V<br>CATIII        |
| Warranty       | 2 year             | 2 year             | 3 Years        | 3 Years               | 3 Years               | 3 Years               | 3 Years               |

| Digi-Key Part No. | Price Each | Fluke Part No. |
|-------------------|------------|----------------|
| 614-1026-ND       | 102.95     | FLUKE-321      |
| 614-1027-ND       | 111.95     | FLUKE-322      |
| 614-1028-ND       | 146.95     | FLUKE-333A     |
| 614-1029-ND       | 166.95     | FLUKE-334A     |
| 614-1030-ND       | 222.95     | FLUKE-335A     |
| 614-1031-ND       | 304.95     | FLUKE-336A     |
| 614-1032-ND       | 354.95     | FLUKE-337A     |



Fluke 321

Fluke 337

## Fluke 50 Series II Thermometers

### Fluke 50 Series II



**Features:**

- Relative time clock on MIN, MAX, and AVG provides a time reference for major events • Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy • Measures J, K, T and E-types of thermocouples • Readout in °C, °F or Kelvin (K) • Sleep mode increases battery life; 1000-hour battery life • 3 year warranty



Fluke 53 II

### Fluke 53 Series II and 54 Series II

**Features:**

- Time of day clock on MIN, MAX, and AVG provides a time reference for major events • Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy • Measures J, K, T, E, N, R, and S-types of thermocouples • Readout in °C, °F, or Kelvin (K) • Sleep mode increases battery life; 1000-hour battery life • 3 year warranty • Large backlit dual display shows any combination of T1, T2 (52 and 54 only), T1-T2 (52 and 54 only), plus MIN, MAX, or AVG • Log up to 500 data points to internal memory • Recall function allows logged data to be easily reviewed on the meter display • Data can be exported to optional FlukeView Forms® Temperature PC software for further analysis and graphing

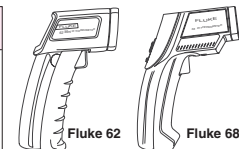
| Digi-Key Part No. | Price Each | Fluke Part No.  |
|-------------------|------------|-----------------|
| 614-1033-ND       | 215.00     | FLUKE-51-2 60HZ |
| 614-1034-ND       | 259.00     | FLUKE-52-2 60HZ |
| 614-1035-ND       | 305.00     | FLUKE-53-2 60HZ |
| 614-1036-ND       | 355.00     | FLUKE-54-2 60HZ |

## Fluke 60 Series Handheld Infrared Thermometers



| Model                  | Fluke 62                       | Fluke 63                       | Fluke 66                                      | Fluke 68                                      |
|------------------------|--------------------------------|--------------------------------|---|---|
| Backlit Display        | Yes                            | Yes                            | Yes   | Yes   |
| Temperature            | -30°C - 500°C<br>-20°F - 932°F | -32°C - 545°C<br>-25°F - 999°F | -32°C - 600°C<br>-25°F - 1100°F               | -32°C - 760°C<br>-25°F - 1400°F               |
| MIN/MAX/AVG            | MAX                            | MAX                            | All   | All   |
| Datalogging            | N/A                            | N/A                            | Yes   | Yes   |
| Distance to Spot Ratio | 10:1 at 80% energy             | 12:1                           | 30:1  | 50:1  |
| Optional RTD Probe     | N/A                            | N/A                            | Yes   | Yes   |
| Emissivity             | Fixed at 0.95                  | Fixed at 0.95                  | Digitally adjustable (from 0.1 - 1.0 by 0.01) | Digitally adjustable (from 0.1 - 1.0 by 0.01) |

| Digi-Key Part No. | Price Each | Fluke Part No. |
|-------------------|------------|----------------|
| 614-1038-ND       | 99.51      | FLUKE-62       |
| 614-1039-ND       | 225.00     | FLUKE-63       |
| 614-1040-ND       | 425.00     | FLUKE-66       |
| 614-1041-ND       | 539.00     | FLUKE-68       |



Fluke 62

Fluke 68

More Product Available Online: [www.digikey.com](http://www.digikey.com)