

Power Quality/Earth Ground

NEW!

FLUKE®

435 Three-Phase Power Quality Analyzer

Locate, predict, prevent and troubleshoot problems in power distribution systems. The new IEC Class A standards for flicker and power quality are built right in to take the guess work out of power monitoring.

- Troubleshoot real-time: Analyze trends using the cursors & zoom tools—even while background recording continues
- 600 V Cat IV/1000 V CAT III rated
- Automatic transient mode captures 200 kHz waveform data on all phases simultaneously up to 6 kV
- Measure all three phases and neutral with four current probes included
- AutoTrend automatically records every measurement without any setup
- Monitor up to seven power quality parameters on one screen
- Inrush mode: For troubleshooting nuisance circuit breaker tripping
- View graphs and generate reports with included analysis software
- 7 hour battery life per charge on NiMH battery pack
- Three-Year Warranty

Includes: hard carrying case with rollers; 4 i430-flex current probes; 5 test leads and clips; battery charger; Flukeview and Powerlog software; optical USB cable.

Model 435 Specifications: Inputs: 4 voltage: 3-phase + N-GND, 4 current: 3-phase +N. Measurements: Vrms, Arms, Hz, W, VAR, VA, PF, Cos (DPF), Crest Factors; Harmonics & THD (V, A, W), k-factor; Inter-harmonics; k-Wh & kVARh (fwd. & rvrse.), kVAh, demand interval selectable; Flicker (Pit, Pst, PG5); Unbalance; Recorder/Auto Trend; Real time scope/Phaser diagrams; Dips and swells/Half cycle based; Transient display; Inrush current; EN50160 compliance; Memory (screen/data sets); FlukeView® software and interface cable and Integral Logging Function.

No. FLU-435/003\$7,775.95

Pinpoint power problems faster, safer & in greater detail!



Fluke 435

**CAT IV, 600V;
CAT III, 1000V**

FLUKE®

1735 Three-Phase Power Logger

Ideal for conducting energy studies and basic power quality logging. Measures most electrical power parameters, harmonics, and captures voltage events.

- Record power and associated parameters for up to 45 days
- Monitor maximum power demand over user-defined averaging periods
- Prove the benefit of efficiency improvements with energy consumption tests
- Measure harmonic distortion caused by electronic loads
- Improve reliability by capturing voltage dips and swells from load switching
- 600 V CAT III rated
- Two-Year Warranty

Includes: 4 flexible current probes (15A/150A/3000A); Powerlog software; voltage leads and clips; PC cable; AC adapter; carrying case.

No. FLU-FLUKE-1735\$3,186.95



CAT III, 600V

FLUKE®

1A/10A Current Clamp Set

Set of 3 precision dual range current clamps for secondary current transformer applications. For 1735 and 1740 Series Power Quality Loggers.

No. FLU-3024413\$572.95



FLUKE®

1630 Earth Ground Clamp Meter

Operates on 9V alkaline battery. **Includes:** Resistance test loop; carrying case with strap; multi-language users manual.

- Wide ground loop resistance range from 0.025 to 1500
- Large jaw opening of 1-3/8" for tests on ground conductors and/or equipotential bus bars
- Measurement of ground leakage current from 0.2mA to 1000mA
- Wide ac current measurement range from 0.2A to 30A
- Continuity loop test with audible alarm
- User-defined Hi/Lo alarm limits
- Display Hold captures reading in hard-to-reach places
- Records and stores measured values
- Automatically self-calibrates

No. FLU-FLUKE-1630\$1,548.95



FLUKE®

1621 Earth Ground Tester

With a simple user interface and intuitive functionality, the Fluke 1621 is the first line of defense in detecting unreliable ground connections.

Includes: Users manual, two 6' leads with alligator clips, 9 V alkaline battery and holster.

- 3-pole Fall-of-Potential earth testing for basic measurements
- 2-pole resistance measurements for added versatility
- Single-button operation
- Automatic 'noise' voltage detection
- Hazardous voltage warning for added protection
- Large backlit display
- Rugged design for tough work environments
- Portable size for easy transportation
- Adjustable limit setting with alert
- 600 V Cat II

No. FLU-1621\$923.95



NEW!

Industrial Test Equipment

FLUKE

743B/744 Documenting Process Calibrators

Both the 743B and 744 do the work of several tools – sourcing, simulating and measuring pressure, temperature, and electrical signals in one rugged, hand-held device. They automate calibration procedures and capture your data. And the PC interface lets you download information created with software or upload data for printing, archiving, and analysis. The expanded memory can hold a full week of calibrations and procedures. The 744 combines HART communication capability to deliver an integrated communicating calibrator. This rugged, reliable tool is ideal for calibrating, maintaining, and troubleshooting HART and other instrumentation, letting you perform nearly all the day-to-day tasks you now perform with a separate communicator.

No. FLU-743B\$5495.95
No. FLU-744\$6494.95



Fluke 744
Pressure Enabled

FLUKE

725/726 Multifunction Process Calibrators

The 725/726 equips you to test and calibrate almost any process parameter. Measure and source mA, volts, temperature (RTDs and thermocouples), frequency, ohms, and pressure, using optional pressure modules. The split display lets you view input and output values simultaneously. For valve and I/P tests, you can source mA while measuring pressure. Both have auto-stepping and auto-ramping for remote testing, plus 25% stepping for fast linearity tests.

The 726 delivers more precise measurement and calibration source performance, with accuracies of 0.01%, plus two separate channels to measure, source and view process signals simultaneously.

No. FLU-FLUKE-726\$3,138.95
No. FLU-725\$2,308.95



Fluke 726
Pressure Enabled

FLUKE

789 ProcessMeter

- 24 V Loop power supply
 - HART mode setting with loop power and a built-in 250 ohm resistor
 - Double-size, dual display
 - 20 mA drive into 1200 ohms
 - Backlight with two brightness settings
 - 0 to 100% mA Span Check buttons to toggle between 4 mA and 20 mA
 - Infrared I/O serial port compatible with FlukeView® Forms Software
 - Improved battery power with 4 AA batteries
 - CAT IV 600 V safety-rated
- No. FLU-789\$859.95



FLUKE

VoltAlert™ Voltage Detectors

These AC non-contact voltage testers are easy to use. Just touch the tip to a terminal strip, outlet, or supply cord. When it glows red and beeps, you know there's voltage present. Electricians, maintenance, service and safety personnel can quickly test for energized circuits.

- No. FLU-1LAC-A-II Low AC Voltage Detector (shown)\$26.95
No. FLU-1AC-A1-II Voltage Detector\$26.95



Lil Devil Magnetic Probe

Senses magnetic fields in solenoid operated devices, stepper switches, relays, valves & coils. Detects transient pulses and identifies both north and south poles. Place probe tip close to or directly on the shaft that projects through the coil. Operates on AC and DC devices. The LED light shows device is energized. Standard model is for larger solenoids.

- No. BAR-S Standard Model\$44.95
No. BAR-HS High Sensitivity Model\$49.95



EXTECH
INSTRUMENTS
A FLIR COMPANY

DVA30 Non-Contact AC Voltage & Current Detector

- The only 2-in-1 current/voltage detector designed for electrical testing
- Non-Contact AC Voltage detection from 12V to 600VAC
- Non-Contact AC Current detection from 200mA to 1000A
- Sensitivity adjustments to increase or reduce sensor trigger threshold
- Current sensor detects current flow through shielded wires, conduit, and metal circuit breaker/junction boxes

- No. EXT-DVA30\$44.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

Specialty Stopwatch/Clock

This digital LCD stopwatch has plus calendar and alarm and is water resistant. The timing capacity is 23 hrs, 59 mins & 59.99 secs. Includes a 39" (1m) lanyard and LR44 battery. One-Year Warranty.

- No. EXT-365510 Stopwatch/Clock\$20.99
No. EXT-365510-NIST Calibrated\$70.99



Big Digital Countdown

Time capacity of 99.99 minutes. Features one channel with an alarm. Display Size: 1.9" X 0.83". Digital Height: 0.5". Includes: (1) AA Battery; magnet; stand and clip.

- No. MAN-TI170\$21.65



FLUKE

Fluke 421D Laser Distance Meter

Laser distance measurement that takes you even farther. Now measure up to 330 ft. (100m) with 1/16" accuracy. Advanced features like built-in tilt sensor for hard-to-reach areas, and stack out to let you make incremental measurements, give you a powerful tool for those tough measurement jobs.

- No. FLU-FLUKE-421D\$375.00



SAME DAY SHIPPING!
www.timemotion.com

Industrial Test Equipment

NEW!

FLUKE

1587 and 1507 Insulation Testers

Digital insulation testers combined with a full-featured digital multimeter in a single, handheld unit provide maximum versatility for both troubleshooting and preventative maintenance.



FLUKE 1587
CAT III, 1000V; CAT IV, 600V



FLUKE 1507
CAT IV, 600V

Cat No.	FLU-1587	FLU-1507
Insulation test range	0.1MΩ to 10GΩ	0.01MΩ to 10GΩ
Multiple test voltages	50V, 100V, 250V, 500V, 1000V	50V, 100V, 250V, 500V, 1000V
AC/DC voltage	0.01V to 1000V	0.1V to 600V
Measurements	AC/DC Voltage, Resistance, Continuity, DC mV, AC/DC mA	AC/DC Voltage, Resistance, Continuity
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 Auto power off	
	CAT III 1000V, CAT IV 600V	CAT IV 600V
	Capacitance, diode test, temperature, Min/Max, Frequency [Hz]. Filter for motor drive measurements	Automatic calculation of Polarization Index and Dielectric Absorption Ratio. Compare (Pass/Fail) function
Includes	Remote probe, test leads and probes, clips, K-type thermocouple, hard case	Remote probe, test leads and probes, clips, holster
Warranty	Three-Year	One-Year
PRICE	\$677.95	\$495.95

EXTECH
INSTRUMENTS
A FLIR COMPANY

Sound Level Meter with Backlit Display

Features: High accuracy meets ANSI and IEC 651 Type 2 standards; High and low measuring ranges: 35 to 100dB (low) and 65 to 130dB (high); Data hold and max hold functions; Backlit LCD display to view in dimly lit area. **Includes:** microphone wind screen and 9V battery.

No. EXT-407732\$179.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

Combination Contact/Laser Photo Tachometer

Features: Provides wide RPM (photo and contact) and Linear Surface Speed (contact) measurements; Narrow laser beam photo tachometer for accurate non-contact RPM measurements; Measurements from up to 6.5ft from the target for improved safety and accessibility; Accurate to 0.05%; Characters on display reverse direction depending on contact or photo mode; Memory/readings button holds last reading for 5 min and recalls min/max readings.

No. EXT-461995\$299.99

Tachometer with NIST certificate of calibration

No. EXT-461995-NIST-DS\$394.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

Heavy Duty Vibration Meter with Built-in PC Interface

Measure acceleration, velocity, and displacement. **Features:** Ranges - acceleration: 200m/s², velocity: 200mm/s, displacement: 2mm; Remote vibration sensor with magnetic adapter on 39" (1m) cable; Wide frequency range of 10Hz to 1kHz; Resolution to 0.5m/s², 0.5mm/s, and 0.005mm; Basic accuracy of ±(5% + 2 digits); RMS or peak value measurement modes; Data hold, auto shut-off, min/max hold; Built-in RS-232 PC serial interface. **Includes:** remote sensor, magnetic mount, 9V battery, holster with stand and hard carrying case.

No. EXT-407860\$859.00



EXTECH
INSTRUMENTS
A FLIR COMPANY

Datalogging Heavy Duty Light Meter

Features: Automatically stores up to 16,000 readings or manually store/recall up to 99 readings; Large backlit LCD display with 40-segment bar graph; Wide range to 40,000Fc or 400,000 Lux; Cosine and color corrected measurements; Utilizes precision silicon photo diode and spectral response filter; Peak mode (10μs) captures highest reading; Relative mode indicates change in light levels; Min/Max and Data Hold; Heavy Duty rugged double molded housing; Built-in USB port. **Includes:** light sensor with 3ft (1m) cable and protective cover, Windows® compatible software with USB cable, hard carrying case and 9V battery.

No. EXT-HD450\$259.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

NEW!

Motor Rotation and 3-Phase Tester

2-in-1 meter checks both phase sequence and motor rotation. Determines rotation direction without contact to ensure motor does not get damaged from incorrect wiring. 40 to 600VAC rated test range for phase orientation of three-phase power sources over 2 to 400Hz frequency range. LEDs indicate whether orientation is clockwise or counter-clockwise, and which of the three phases are live. Durable double-molded housing. Easy-open wide-jaw alligator clips. **Includes:** cable and 3 color-coded alligator clips, 9V battery and pouch.

No. EXT-480403\$139.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

NEW!

Heavy Duty Hot Wire Thermo-Anemometer

Measures airflow down to 40ft/min. Telescoping probe extends up to 7 feet with cable, ideal for measuring in HVAC ducts and other small vents. Large 1.4" dual LCD display. Min/max and data hold. **Includes:** six AAA batteries and protective holster.

No. EXT-407123\$409.99

