

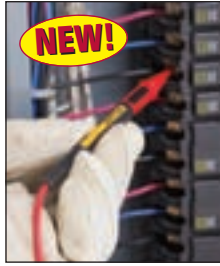
Test Leads

FLUKE.



TL175 TwistGuard™ Test Leads

The only test leads with a manually adjustable tip guard for use in different measurement environments. Simply twist the test lead to change the exposed probe tip length. When guard is retracted, TL175 is safety rated for CAT II 1000 V use; when fully extended, for CAT III 1000 V and CAT IV 600 V. Compatible with all instruments that accept standard 4mm shrouded banana plugs.



No. FLU-TL175\$23.65

TL223 Electrical Test Lead Set

Silicone-insulated test leads for superior resistance to cold, heat, tangling, tearing and chemicals. AC220 industrial test clips, Slim-Reach™ TP1 and TL224 test probes. 10A rating. CAT III 1000V.

No. FLU-TL223\$62.95



TL71 Test Leads

Comfort-grip probe with silicone-insulated test leads, and integral strain relief. Recommended for μ V measurements. Safety-shrouded, right-angle inputs. 48" (1.2m). 1000V; 10A.

No. FLU-TL71\$21.95



TL20 Industrial Test Lead Set

Resist breakage even after repeated bending or vibration. 2 alligator clips, 2 needlepoint probes and 2 silicone rubber test leads are included. Cat III, 1000V, 10A.

No. FLU-TL220\$62.95



Mini-Hook to Stacking Banana Plug Leads

One end has standard stacking banana plug. Other end has a push plunger design making hook-up easy in tight areas.



Cat. No.	Color	Length	Price
EZH-201W-36R	Red	36"	\$4.50
EZH-201W-36B	Black	36"	\$4.50
EZH-201W-60R	Red	60"	\$5.27
EZH-201W-60B	Black	60"	\$5.27

Pomona
ELECTRONICS

Replacement Test Lead Set

Each set contains 2 test probes with silicon insulated leads (black/red). 48" long.

No. POM-5519A Precision .080 Dia., Right Angle\$14.75
 No. POM-5898 Retractable, Right Angle\$15.00
 No. POM-6365 Precision .080 Dia., Straight\$12.80
 No. POM-6366 Precision .080 Dia., Retractable Sheath\$14.40



FLUKE.

TLK-225 SureGrip Master Accessory Set

Combines the entire new SureGrip accessory line into a single set in a handy roll-up pouch.



- AC220 Plunger Style Alligator Clips
- AC280 Plunger Style Hook Clips
- AC283 Plunger Style Pincer Clips
- AC285 Large Jaw Alligator Clips
- TP220 Industrial Sharp Test Probes
- TL224 Silicone Insulated Test Leads
- 6-Pocket Storage Pouch

No. FLU-TLK-225\$122.95

Deluxe Electronic Test Lead Set

Use in low energy electronic test applications that require fine probing. The test lead is 1 meter long with a safety shrouded right angle banana connector on one end and a stainless steel test probe on the other. The alligator clip and probe tip extender are insulated.

The modular test probe has a banana connector in the handle. The modular hook-style and pinch-style clip test leads, modular alligator clip, and bare spade lug have banana connectors. Set includes slide-on IC probe tip adapter & test lead couplers.

No. FLU-TL81A\$122.95



PROBE MASTER

Standard Test Lead Kits

Leads are silicone and burn resistant. 9102R kit (shown) includes needle probes, insulated alligator clips, spade terminals, sprung hooks, silicone test leads and plastic case. 9101R Basic kit includes silicone test leads, needle probes and plastic case.

No. PRB-9102R Deluxe Test Lead Kit (shown)\$43.95
 No. PRB-9101R Basic Test Lead Kit\$18.50

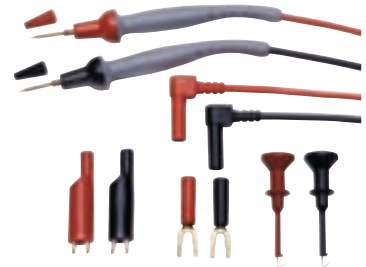


PROBE MASTER

Softie Test Lead Kits

Silicone and burn resistant. Terminated in either standard, 90° shrouded safety or regular shrouded safety banana plugs. Kit comes complete with test probes, 18 AWG 48" leads, 3 pairs of interchangeable screw-on test tips and plastic snap box.

No. PRB-8026S Test Lead Kit w/ Std. Plugs (shown)\$31.50
 No. PRB-8028S Test Lead Kit w/ Safety Banana Plugs\$31.50
 No. PRB-8043S Test Lead Kit w/ 90° Shrouded Safety Plugs\$31.50



Fluke 87-V DMM

The industry leader in versatility, performance, accuracy and ruggedness. Designed with several great features, including a backlight with on/off control, large and clear displays with better viewing angles, and now have significantly improved accuracy. The 87-V was designed to have more problem solving power, safety, convenience and impact protection, and withstands impulses in excess of 8,000 V while reducing the risk of surges and spikes. Complies with 2nd Edition of ANSI/ISA S82.01 and EN61010-1 CAT IV 600V/CAT III 1000V. Comes complete with TL75 test leads, 9-volt battery and user manual.

Features for maximum productivity:

- Unique function for accurate voltage & frequency measurements on adjustable speed motor drives & other electrically noisy equipment
- Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- Large digit display with bright two-level backlight makes this significantly easier to read than older models

No. FLU-87-5\$399.95



\$138.82
IN KIT SAVINGS!

87-5/E2-KIT

Industrial Combo Kit

Includes: Fluke 87-V multimeter, 1.5m silicone leads, retractable long reach alligator clips, K-type temperature probe, magnetic hanger to position and hold meter to steel surfaces, durable soft carrying case. No. FLU-FLUKE-87-5/E2KIT\$451.95



87V/IMSK - 87-V Multimeter and i400 Current Clamp Meter Kit

Includes: Fluke 87V True-RMS CAT III 1000V and CAT IV 600V multimeter and i400 single range 400 A ac current clamp. No. FLU-FLUKE-87V/IMSK.....\$441.95



Function	Range and Resolution	Basic Accuracy
DC voltage	600.0mV 6.000V 60.00V 600.0V 1000V	±0.05%
AC voltage	600.0mV 6.000V 60.00V 600.0V 1000V	±0.7%
DC current	600.00µA 6000µA 60.00mA 600.00mA 6.000A 10.00A	±0.2%
AC current	600.00µA 6000µA 60.00mA 600.00mA 6.000A 10.00A	±1.0%
Resistance	600.0Ω 6.000kΩ 60.00kΩ 600.0kΩ 6.000MΩ 50.00MΩ	±0.2%
Capacitance	10.00nF 100.0nF 1.000µF 10.00µF 100.0µF 9999µF	±1.0%
Frequency	199.99Hz 1.9999kHz 19.99kHz 199.99kHz	±0.005%
Temperature	-200°C to 1090°C (-328°F to + 1994°F)	±1.0%

Fluke 170 Series Digital Multimeters

Tough meters for industrial customers. All CAT IV rated and sport an easy-open battery access door. The 177 and 179 have a backlight display for easy viewing of results, and the 179 measures temperature as well. All with a lifetime warranty. Comes with TL75 test leads, 9V battery (installed) and a users manual. The Fluke 179 Meter comes with an 80BK Temperature Probe as well.

- True RMS voltage and current measurements
- 0.09% basic accuracy (177, 179)
- Digital display with analog bargraph and backlight (177, 179)
- Manual and automatic ranging
- Display Hold and Auto Hold
- Frequency and capacitance measurements
- Resistance, continuity and diode measurements
- Temperature measurements (179)
- Min-max-average recording
- Smoothing mode allows filtering of rapidly changing inputs
- Easy battery exchange without opening the case
- Closed case calibration through front panel
- Ergonomic case with integrated protective holster
- EN61010 CAT III 1000V/CAT IV 600V
- Measures twice as fast as other multimeters

No. FLU-175 175 True RMS DMM\$259.95
 No. FLU-177 177 True RMS DMM w/Backlight\$269.95
 No. FLU-179 179 True RMS DMM w/Backlight & Temp.\$280.95

Features	179	177	175
6000 count display resolution	•	•	•
Auto Hold and Manual Hold	•	•	•
IEC 1010 Rating: CAT IV/ CAT III 1000V	•	•	•
Backlight for measurements in low visibility areas		•	•
Temperature measurements in °C and °F, thermocouple included			•
Battery door provides access without breaking calibration seal	•	•	•



Electronics DMM and Deluxe Accessory Kit

Includes: Fluke 179 True-RMS digital multimeter, AC80 plunger style heavy duty hook clips, TL24 1.5 meter long silicone test leads, TL910 electronic test probes with 5 replacement tips.

No. FLU-179/EDA2

\$316.95



Electrician's DMM and Voltage Tester Combo Kit

Includes: Fluke 179 True-RMS digital multimeter, AC220 SureGrip™ alligator clips, TP220 SureGrip™ test probes, TL224 SureGrip™ silicone test Leads, ToolPak™ magnetic meter hanger, 1-AC II non-contact voltage detector, lightweight soft case.

No. FLU-179/1AC-II

\$316.95



179/IMSK - 179 Multimeter and 322 Clamp Meter Kit

Includes: Rugged 1000VCAT III Fluke 179 multimeter and 322 clamp meter current measurements up to 400 A and continuity test function.

No. FLU-FLUKE-179/IMSK

\$332.95



Multimeters

FLUKE®

Fluke 280 Series True-RMS Logging Multimeters with TrendCapture

Recorded data can be viewed on the meter in TrendCapture or transferred to a PC with optional FlukeView software. TrendCapture plots measurements as single line to help detect anomalies. Advanced features are combined with True-RMS 50,000 count 1/4 VGA dot matrix display.

- Record events and trends for troubleshooting intermittent problems or profiling loads
- Name and recall saved measurements made in the field
- Internal memory allows stand-alone logging for up to 180 hours
- USB interface for easy document download to FlukeView software
- F1-F4 soft keys provide flexible user function menus
- Info button on meter activates help screen
- Separate 50 ohm range for motor winding and low-ohm measurements (Model 289)
- LoZ – low input impedance function helps prevent false readings due to ghost voltage (Model 289)
- Lo Pass filter for accurate measurement on motor drives (Model 289)
- Limited lifetime warranty

True-rms



A. No. FLU-287	287 True-RMS Digital Multimeter	\$493.95
B. No. FLU-289	289 True-RMS Digital Multimeter	\$576.95

Fluke 287 Combo Kit

Includes: Fluke 287 multimeter, FlukeView software, 80BK-A thermocouple probe, CAT III 1000V 10A modular test leads and test probes (red, black), CAT II 300V 5A alligator clips (red, black), and meter case.
No. FLU-287/FVF
\$618.95



Fluke 289 FlukeView Forms Combo Kit

Includes: Fluke 289 multimeter, Fluke premium silicon test leads, alligator clips, 80BK integrated DMM temperature probe, FlukeView software and cable, and soft case.
No. FLU-289/FVF
\$649.95



289/IMSK - Fluke 289 Multimeter & i400 Current Clamp Meter Kit

Includes: Fluke 289 True-RMS logging multimeter with TrendCapture and i400 single range 400 A ac current clamp.
No. FLU-FLUKE-289/IMSK
\$649.95



Agilent Technologies Handheld Digital Multimeters

True RMS multimeters with great performance for the price:

- U1240 series:**
- Advanced functions: capacitance, temperature, switch counter, harmonic ratio, dual temp (U1242A only), differential temperature (U1242A only)
- U1250 series:**
- OLED display with 4.5-digit resolution, 160° viewing angle
 - USB connectivity
 - Built-in 20 MHz frequency counter and square wave generator
- U1270 series:**
- Shaped to fit better in your hand, with or without gloves
 - High and low impedance mode to eliminate stray voltages
 - Smart Ω to minimize false readings from leakage current
 - Qik-V to determine existence of AC and/or DC voltages

Includes: Getting Started guide; test report; calibration certificate; 4 mm and 19 mm test probes (U1250/1270 series); alligator clips (U1250 series); standard test probes, K-type thermocouple and adapter (U1270 series).



AGI-U1241B



AGI-U1253B



AGI-U1272A

Cat. No.	AGI-U1241B	AGI-U1242B	AGI-U1251B	AGI-U1252B	AGI-U1253B	AGI-U1271A	AGI-U1272A
True RMS	AC	AC	AC	AC+DC	AC+DC	AC	AC+DC
Basic DCV Accuracy	0.09%	0.09%	0.03%	0.025%	0.025%	0.05%	0.05%
Manual & Autoranging	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Current	0.1 μA-10A	0.1 μA-10A	0.1 μA-10mA	10mA-10mA	0.1 μA-10mA	300 μA - 10A	300 μA - 10A
Resistance	100 M	100 M	50 M	500 M	500 M	100 M	100 M
Capacitance	0.1 nF - 10 mF	0.1 nF - 10 mF	0.001 nF - 100 mF	0.001 nF - 100 mF	0.001 nF - 100 mF	10 nF - 10 mF	10 nF - 10 mF
Frequency	200 kHz	200 kHz	1 MHz	20 MHz	20 MHz	999.99 kHz	999.99 kHz
Temperature	K, T1	K, T1, T2, T1-T2	K, T1	J & K	J & K	K	J & K
Continuity with Beeper	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Diode Test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Square Wave Generator	No	No	No	Yes-Programmable	Yes-Programmable	No	No
Battery	4 x AAA	4 x AAA	9V	Ni-MH-rechargeable	Ni-MH-rechargeable	4x AAA	4x AAA
PRICE	\$201.00	\$221.00	\$382.00	\$410.00	\$450.00	\$358.00	\$390.00

FLUKE

114, 115, 116, 117 True RMS Digital Multimeters

Fluke 114 Electrical Multimeter

Compact true-rms meter for electrical troubleshooting. The troubleshooting tool for "go/no-go" testing. It includes a feature to prevent false readings caused by ghost voltage. **Includes:** Holster, installed 9 V battery, test leads, user manual.

A. No. FLU-114\$140.95

Fluke 115 Field Service Technicians Multimeter

Compact true-rms meter for field service technicians. The solution for a wide variety of electrical and electronic testing applications. **Includes:** Holster, installed 9 V battery, 4 mm silicone test lead set, user manual.

B. No. FLU-115\$167.95

Fluke 116 HVAC Multimeter with Temperature and Microamps

Compact true-rms meter for HVAC (heating ventilation air conditioning) troubleshooting including temperature and microamp measurements to quickly troubleshoot problems with HVAC equipment and flame sensors. **Includes:** 4 mm silicone test lead set, 80BK Integrated temperature probe, holster, installed 9 V battery, user manual.

C. No. FLU-116.....\$194.95

Fluke 117 Electrician's Multimeter with Non-Contact Voltage

Compact true-rms meter for commercial applications. The ideal meter for demanding settings like commercial buildings, hospitals and schools. Includes integrated non-contact voltage detection to help get the job done faster. **Includes:** 4 mm silicone test lead set, holster, user manual.

D. No. FLU-117\$205.95



**Fluke 365
with Clamp**



Fluke 373



**Fluke 374
Fluke 375
Fluke 376**



**Fluke 381
with detachable
display & iFlex**

FLUKE Clamp Meters

True-RMS

- Thinner, smaller jaws for easier use inside crowded equipment cabinets
- Auto Shut-off

- Large backlit displays
- True-rms standard
- Improved overmolding for easier handling

- Improved survival if dropped
- Three-Year Warranty

**i2500 iFlex
Current Probe**
Expand measurement range of Fluke 374 and 375 meters to 2500A AC.
18" Current Probe
No. FLU-I2500-18.....\$99.95
10" Current probe
No. FLU-I2500-10.....\$99.95

Model	Fluke 365	Fluke 373	Fluke 374	Fluke 375	Fluke 376	Fluke 381
Cat No.	FLU-365	FLU-373	FLU-374	FLU-375	FLU-376	FLU-381
Features	Detachable jaw	Basic AC measurement	Compatible with Optional iFlex	Compatible with Optional iFlex	Includes 18-inch iFlex	Remote display, Includes 18-inch iFlex
AC Current	200A	600A	600A	600A	999.9A	999.9A
AC Current w/iFlex	N/A	N/A	2500A	2500A	2500A	2500A
AC Voltage	600V	600V	600V	600V	600V	600A
DC Voltage	200A, 600V	600V	600A, 600V	600A, 600V	999.9A, 600V	999.9A, 600V
Resistance	6000Ω	6000Ω	6000Ω	60 kΩ	60 kΩ	60 kΩ
Frequency	N/A	N/A	N/A	500 Hz	500 Hz	500 Hz
Low Pass Filter	N/A	N/A	N/A	Yes	Yes	Yes
Ratings	600V CAT III	300V CAT IV, 600V CAT III	600V CAT IV, 1000V CAT III	600V CAT IV, 1000V CAT III	600V CAT IV, 1000V CAT III	600V CAT IV, 1000V CAT III
Includes		Coated instruction card, Safety information sheet, TL75 test leads, batteries and soft carrying case			18" iFlex flexible current probe, Coated instruction card, Safety information sheet, TL75 test leads, batteries and soft carrying case	
PRICE	\$249.95	\$189.95	\$269.95	\$309.95	\$384.95	\$499.95

Benchtop Multimeters



FLUKE

8808A, 8845A & 8846A Precision Multimeters, 6.5 Digit

Precision and versatility to handle your most demanding measurements on the bench or in a system. High performance and feature rich, yet remarkably easy to use.

Cat No.	FLU-8808A	FLU-8845A	FLU-8846A/SU
Model	8808A	8845A	8846A
Display	Dual, Graphical	Dual, Graphical	Dual, Graphical
VDC Range	1000V	1000V	1000V
VDC Accuracy	0.015 + 0.003	0.0035% +5ppm	0.0024% + 2ppm
VAC Range	750V	750V	1000V
VAC Accuracy	0.2 + 0.05	0.06% + 0.03% Rng	0.06% + 0.03% Rng
VAC Frequency Response	100 kHz	300 kHz	300 kHz
A AC/DC Range	10A	10A	10A
Ohms	200 to 100 M	100 to 300 M	10 to 1G
2 x 4 Wire Ohms	Yes (test leads included)	Yes (test lead set optional)	Yes (test leads included)
Frequency & Period	20 Hz to MHz (Freq only)	3 Hz to 300 Hz	3 Hz to 1 MHz
Continuity & Diode	Yes	Yes	Yes
Capacitance	-	No	1 nF to 50 mF
Temperature	-	No	RTD
Interfaces	RS-232, USB via adapter cable	GIPB, RS-232, LAN USB via adapter cable	GIPB, RS-232, LAN USB via adapter cable
Removable Memory	-	No	USB memory drive port
Mathematics	Min/Max	Min/Max/Avg; Hi/Lo Limit; mX+b	Min/Max/Avg; Hi/Lo Limit; mX+b
PRICE	\$775.00	\$1015.00	\$1625.00

Agilent Technologies

Digital Multimeters

The Agilent 34000 Series multimeter is a tool kit of useful testing functions. In addition to the standard functions you've come to expect from a high quality digital multimeter, you also get many other capabilities, from min/max/avg to built-in limit testing. Precision measurements for an affordable price means you can make measurements with confidence without breaking your budget. One-year warranty. (USA)



Cat No.	AGI-34405A	FHP-34401A	AGI-34410A	AGI-34411A	AGI-34420A	AGI-3458A
Model	34405A	34401A	34410A	34411A	34420A	3458A
Type	Digital multimeter, 5-1/2 digits	Digital multimeter, 6-1/2 digits	High performance DMM 6-1/2 digits w/dual display	High performance DMM 6-1/2 digits w/waveform capture	NanoVolt/micro-Ohm Meter, 7-1/2 digits	Reference DMM, 8-1/2 digits
Key Features	*Value price *Simultaneous reading of DC/AC *12,000 counts resolution *SCPI language compatible *16 measurement functions	*Min/max/avg *Built-in limit testing *.0035% basic DC accuracy *.06 basic AC accuracy *1,000 readings/sec. *Configuration rates: 26/sec to 50/sec.	*10,000 readings/sec. *Precise triggering *Maximum versatility *Datalogging wizard *Resistance/frequency *Standard LAN, USB, GPIB	*50,000 readings/sec. *1M reading memory *Analog level, pre/post triggering *Capacitance/temperature *Standard LAN, USB, GPIB	*High Sensitivity *Optimized for low level measurements *Combines low noise voltage measurements with resistance/temperature	*100,000 readings/sec. *Highest performance *Unsurpassed, throughput accuracy *8-ppm 1 year dcV accuracy *0.05 ppm dcV transfer accuracy *Superior AC voltage measurements
Basic Measurements	DC & AC voltage, DC & AC current, 2 wire, frequency	DC & AC voltage, DC & AC current, 2 & 4 wire, frequency & period	DC & AC voltage, DC & AC current, 2 & 4 wire, frequency & period, 10,000 readings/sec.	DC & AC voltage, DC & AC current 2 & 4 wire, frequency & period, 50,000 readings/sec., analog level trigger	DC voltage, 2 & 4 wire, low power resistance, ratio	DC & AC voltage, DC & AC current, 2 & 4 wire, frequency & period
Additional Measurements	Continuity, diode test, capacitance, temperature	Continuity, diode test, temperature	Continuity, diode test, capacitance, temperature	Continuity, diode test, capacitance, difference	2 channels - ratio and digitizing	3 modes of true RMS,
Temperature	Thermistor Probe	RTD, Thermistor	RTD, Thermistor	RTD, Thermistor	Direct SPRT, RTD Thermocoupler	RTD, Thermistor
Measure Speed (digits)	DC: 8/sec@(5-1/2) DC: 19/sec@(4-1/2) AC: 2.5/sec@(5-1/2) AC: 2.5/sec@(4-1/2)	6/sec@(6-1/2) 300/sec@(5-1/2) 1,000/sec@(4-1/2)	1,000/sec@(6-1/2) 10,000/sec@(5-1/2) 50,000/sec@(4-1/2)	1,000/sec@(6-1/2) 10,000/sec@(5-1/2) 100/sec@(5-1/2)	0.3/sec@(7-1/2) 3/sec@(6-1/2) 100,000/sec@(4-1/2)	5,300/sec@(6-1/2) 50,000/sec@(5-1/2)
Math functions	Null, dBm, dB, Min/Max/Avg, Hold, Limit test	Null, statistics, dBm, dB, Limit test	Null, statistics, dBm, dB, Limit test	Null, statistics, dBm, dB, Limit test	Null, statistics, dBm, dB, Limit test, scale, offset, filter,	Null, statistics, dBm, dB, Limit test, scale, offset, filter, % error moving avg. filter
Connectivity	USB 2.0, USBTMC-USB488 device class	IntuiLink software with built-in GPIB and RS-232	LAN, USB 2.0, GPIB standard, web browser interface	LAN, USB 2.0, GPIB standard, web browser interface, IntuiLink software	Standard IntuiLink software, RS-232 and GPIB interface	GPIB interface
Price	\$750.00	\$1421.50	\$1298.00	\$2067.00	\$3942.00	\$8260.00

Oscilloscopes

First ever 4-channel ScopeMeter!

FLUKE

4-Channel Handheld 190 Series II ScopeMeter

NEW!

Multiply your diagnostic power with the first portable 4-channel oscilloscope. Series is safety rated 1000V CAT III/ 600V CAT IV, and features a sealed, dust and drip-proof IP51 case ideal for harsh environments.

New Features:

- 4 fully isolated floating input channels with up to 2.5 GS/s real time sampling rate
- 8ns glitch detect
- 10,000 sample deep memory per channel for displaying high resolution waveform details
- 4 input channels lets you log inputs or measurements over time: 4 meter measurements, 4 TrendPlot™ traces, 4 ScopeRecord™ traces
- Live zoom with full resolution
- High capacity Li-ion battery with up to 7 hours operation
- Battery access door to easily swap out batteries for extended operation
- Two electrically isolated USB ports
- Security slot to lock instrument
- Screw insert for standard camera mounting accessories

Existing Features of the 190 series:

- Up to 200 MHz bandwidth, 2.5 GS/s real time sample rate and up to 400 ps resolution
- Built-in multimeter
- Connect and View to easily trigger on and display even complex waveforms
- TrendPlot™ and ScopeRecord™ to capture or plot waveforms and measurements over extended time spans
- Replay last 100 screens, to go back in time to see waveform anomalies
- Environmentally tested to meet IP51 dust-proof and drip-proof rating and withstand 3G vibration or 30g shock



FLU-190-204/AM
1000V CAT III,
600V CAT IV



FLU-FLUKE-190-202/AM/S

Includes: AC power adapter; Double-capacity Li-ion battery pack; Red, blue, grey and green probes; USB cable A-B (mini); Hanging strap; Side strap; CD user manual with FlukeView ScopeMeter software demo version; Statement of Calibration practice; "S" models also include FlukeView software and hard case.

Model	Fluke-190-204/AM	Fluke-190-104/AM	Fluke-190-202/AM	Fluke-190-102/AM	Fluke-190-062/AM
Cat No.	FLU-190-204/AM	FLU-190-104/AM	FLU-FLUKE-190-202/AM	FLU-FLUKE-190-102/AM	FLU-FLUKE-190-062/AM
Channels	4	4	2	2	2
Bandwidth	200MHz	100MHz	200MHz	100MHz	60MHz
Max Real Time Sample Rate	2.5 GS/s	1.25 GS/s	2.5 GS/s	1.25 GS/s	625 MS/s
Display	Color	Color	Color	Color	Color
PRICE	\$4250.95	\$3750.00	\$3690.00	\$3330.00	\$2895.00
With FlukeView software & hard case	FLU-190-204/AM/S	FLU-190-104/AM/S	FLU-FLUKE-190-202/AM/S	FLU-FLUKE-190-102/AM/S	FLU-FLUKE-190-062/AM/S
PRICE	\$4650.00	\$4151.95	\$4090.00	\$3730.00	\$3295.00

Agilent Technologies

1000 Series Portable Oscilloscopes

Weighs less than 7 pounds with a small footprint so it can easily go anywhere. Includes: Power cord; 10:1 passive probe for each input channel; Documentation CD, Front panel overlay if other than English. 3-Year Warranty.

More Signal Viewing

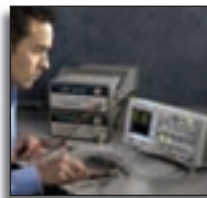
- 5.7" color LCD displays waveforms noticeably brighter and crisper
- Wider viewing angle
- 25% more waveform viewing area
- Up to 20k memory

More capabilities

- 23 automatic measurements
- Sequence mode for waveform recording, playback and storage
- Selectable band-pass filtering
- Advanced triggering

More productivity

- Go/no-go mask testing
- 11 languages
- Built-in USB port plus free IntuiLink connectivity software



DSO1002A

Model	DSO1002A	DSO1004A	DSO1012A	DSO1014A	DSO1022A	DSO1024A
Cat. No.	AGI-DSO1002A	AGI-DSO1004A	AGI-DSO1012A	AGI-DSO1014A	AGI-DSO1022A	AGI-DSO1024A
Bandwidth	60 MHz	60 MHz	100 MHz	100 MHz	200 MHz	200 MHz
Sample rate	2 GSa/sec half channel (when only one channel pair 1-2 or 3-4 is turned on), 1 GSa/sec each channel					
Channels	2	4	2	4	2	4
Display	5.7 inch diagonal color QCGA TFT LCD display with 300 cd/m2 backlight intensity					
Memory	20 kpts half channel (when only one channel pair 1-2 or 3-4 is turned on), 10 kpts each channel					
Maximum Input voltage	CAT I 300 Vrms, 400 Vpk; transient overvoltage 1.6Vpk					
PRICE	\$1353.41	\$1951.17	\$1584.03	\$2413.11	\$2268.36	\$2796.37

Accessories

No. AGI-N2738A Soft case\$130.85
No. AGI-N2739A Rackmount kit\$377.48

Educational Training kit

(includes training board, USB cable and manual)
No. AGI-N2740A Training kit.....\$422.64

SAME DAY SHIPPING!
Your local California Based Supplier

Thermal Imagers

FLUKE

On-camera blending of visible and infrared images! Ti10, Ti25, Ti27, Ti29, Ti32 Industrial/Commercial Thermal Imagers

Find and fix problems fast with the leading family of affordable thermal imagers. Use one to find a potential problem before it becomes a costly disaster and you'll appreciate just how much Fluke thermal imagers can save in time, money and even lives. Designed for industrial and commercial environments, they deliver outstanding image quality, versatility, and affordability without compromise. The Ti32 and the Ti27 and Ti29 feature a powerful FPA sensor, field-installable upgradeable lenses, industry-leading $\leq 50\text{mK}$ thermal sensitivity to see even the smallest temperature differences, high temperature or dew point alarms, better level/span adjustment, thumbnail view memory, new display options and more. Superior infrared and spatial resolution coupled with a high definition display creates the sharpest images in their price classes. With a rugged design, integrated lens cover, protected display and 6-1/2 foot drop test, they can tackle the harshest environments.

Features: Patented IR-Fusion® technology combines visual image with IR image in full screen or picture-in-picture view for easy identification and reporting of problems. Large 640 x 480 color LCD display. 2 GB SD memory card will store at least 1200 fully radiometric (.is2) IR and linked visual images each with 60-second voice annotations, transferrable to PC via included multi-format USB card reader. Easy-to-use one-handed operation with intuitive 3-button menu. Adjustable hand strap for righties and lefties.

Includes: SmartView® analysis and reporting software, 2 GB SD memory card, USB card reader, rechargeable internal battery and battery charger (Ti10, Ti25), two (2) Li-ion smart battery packs and charger (Ti27, Ti29 & Ti32), hard and soft carrying cases. 2-Year Warranty.



Ti32



Optional Visor for Bright Light

Model	Ti10	Ti25	Ti27	Ti29	Ti32
Cat. No.	FLU-TI10	FLU-TI25	FLU-TI27	FLU-TI29	FLU-TI32
Temperature measurement range (not calibrated below -10°C)	-20°C to 250°C (-4°F to 482°F)	-20°C to 350°C (-4°F to 662°F) 2 ranges	-20°C to 600°C (-4°F to 1112°F)	-20°C to 600°C (-4°F to 1112°F)	-20°C to 600°C (-4°F to 1112°F)
Accuracy	±2°C or 2% whichever is greater				
Thermal field of view	23° horizontal x 17° vertical				
Minimum focus distance	Thermal lens: 15 cm (6"). Visible light lens: 46 cm (18")				
Thermal sensitivity (NETD)	≤0.13°C at 30°C (130 mK)	≤0.09°C at 30°C (90 mK)	≤0.05°C at 30°C (50mK)	≤0.05°C at 30°C (50mK)	≤0.045°C at 30°C (45mK)
Detector type	160 x 120 focal plane array, uncooled microbolometer	160 x 120 focal plane array, uncooled microbolometer	240 x 180 focal plane array, uncooled microbolometer	280 x 210 focal plane array, uncooled microbolometer	320 x 240 focal plane array, uncooled microbolometer
Minimum span (auto/manual)	10°C/5°C	5°C/2.5°C	5°C/2.5°C	5°C/2.5°C	5°C/2.5°C
Focus	Manual, one-handed Smart Focus capability				
Measurement modes	Center point	Center point and hot and cold markers	Center point and hot and cold markers	Center point and hot and cold markers	Center point and hot and cold markers
On-screen emissivity correction	No	Yes	Yes	Yes	Yes
On-screen reflected background	No	Yes	Yes	Yes	Yes
Temperature Compensation					
On-screen transmission correction	No	No	Yes	Yes	Yes
Set-up controls	Date/time, °C/°F, language	Date/time, °C/°F, language, hot & cold spot image	Date/time, °C/°F, language, hot & cold spot image, Display settings	Date/time, °C/°F, language, hot & cold spot image, Display settings	Date/time, °C/°F, language, hot & cold spot image, Display settings
Power	Internal rechargeable battery, 3-4 hours continuous operation or AC adaptor		2-Li-On rechargeable smart battery packs (4+ hours continuous operation)		
Price	\$4495.00	\$7495.00	\$6495.00	\$7495.00	\$8995.00
Optional Visor for Bright Light	No. FLU-TI-VISOR\$74.99				

FLIR I-Series Thermal Imaging Cameras

Weighing just 12 oz., these are the smallest, lightest thermal imaging cameras available. Ideal for a broad range of troubleshooting activities. High accuracy and thermal sensitivity help you find problems faster and easier. Convenient features such as a 2.8" high resolution LCD color display screen, focus free lens, one-hand navigation pad and large memory thumbnail image gallery make them easy to use – even for beginners. Li-ion rechargeable battery operates for 5 hours and has a display to show battery status. Rugged double molded design with easy grip handle. **Includes:** FLIR QuickReport™ software for analysis of radiometric images, 512MB miniSD™ card, 110-240V AC adaptor/charger, USB cable, built-in manual lens shutter, hand strap and protective hard carrying case.

Model	i3	i7
Cat. No.	EXT-I3	EXT-I7
Temperature Range	32° F to 122° F	32° F to 482° F
Accuracy	±2%	2%
Thermal Sensitivity (NETD)	<0.15°C @ 25°C	0.1°C @ 25°C
Detector Resolution (pixels)	60/60	120/120
Spot meter/Area Box	Spot	Spot/Area/Isotherm
Focus	Fixed	Auto-focus
Image Storage (SD Card)	5,000	5,000
Price	\$1195.00	\$1995.00



i7

Accessories:

No. EXT-1196961 15° Lens (15°, f=30mm) with case\$1750.00
No. EXT-1196960 45° Lens (45°, f=10mm) with case\$1750.00

No. EXT-T197410 Li-Ion Rechargeable Battery\$35.00
No. EXT-T910711 Power Supply Charger\$45.00

24 Hour Fax:
858•679•8909

Temperature Test

FLUKE



Fluke 500 Series Infrared & Contact Thermometers

Fluke 500 series digital laser thermometers make even complex measurements easy. Quickly navigate advanced features to adjust emissivity, start data logging, or turn on and off alarms. With a rugged, easy-to-use, ergonomic design, these two-in-one contact and non contact thermometers can stand up to tough industrial, electrical, and mechanical environments. **All Include:** Batteries; Hard carrying case or holster; Operators Guide. Two-Year Warranty.

Model	A. Fluke 561	B. Fluke 566	C. Fluke 568
Temperature Range	-40°F to 1022°F (-40°C to 560°C)	-40°F to 1202°F (-40°C to 650°C)	-40°F to 1472°F (-40°C to 800°C)
Distance to Spot Ratio	112:1	30:1	50:1
Accuracy	±1% of reading or ±1%°C (±2°F), whichever is greater; below 0°C/32°F, ±1%°C (±2°F), g±0.1°/1°	< 0°C (32°F): ±(1.0°C (2.0°F) + 0.1°/1°C or °F); >0°C (32°F): ±1% or ±1.0°C (±2.0°F), whichever is greater	< 0°C (32°F): ±(1.0°C (2.0°F) + 0.1°/1°C or °F); >0°C (32°F): ±1% or ±1.0°C (±2.0°F), whichever is greater
Resolution	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F)
Emissivity	Adjustable	Adjustable	Adjustable
Min/Max/Avg.	MIN/MAX/DIF	MAX, MIN, AVG	MAX, MIN, AVG
Datalogging	No	Yes	Yes
Hi/Lo Alarm	No	Audible & two-color visual	Audible & two-color visual
Batteries	2 AA Batteries	2 AA Batteries	2 AA batteries & USB when used with a PC
Cat No.	FLU-FLUKE-561	FLU-FLUKE-566	FLU-FLUKE-568
Price	\$178.95	\$397.95	\$524.99

Fluke 50 Series II Thermometers

Fluke's rugged 50 Series II thermometers offer high accuracy with fast response times to quickly capture your measurement and show you trends. Choose from our "Just the Facts Chart" to get the functionality, thermocouple support and data logging you need. (USA)



Model	A. 54 Series II	B. 53 Series II	C. 52 Series II	51 Series II
Thermocouple Types	K, J, T, E, R, S, N	K, J, T, E, R, S, N	K, J, T, E	K, J, T, E
Number of Inputs	Dual	Single	Dual	Single
Time Stamp	Time of Day	Time of Day	Relative Time	Relative Time
Splash/Dust Resistant	X	X	X	X
Dual Display w/Backlight	X	X	X	X
MIN/MAX/AVG Record	X	X	X	X
Compatible w/ Toolpak™	X	X	X	X
(T1-T2) Readout	X		X	
Logging up to 500 points	X	X		
IR Port for Download to PC	X	X		
Measurement Range	-418°F to 2501°F	-418°F to 2501°F	-418°F to 2501°F	-418°F to 2501°F
Display Resolution	0.1°C/F/K < 1000° 1°C/F/K ≥ 1000°	0.1°C/F/K < 1000° 1°C/F/K ≥ 1000°	0.1°C/F/K < 1000° 1°C/F/K ≥ 1000°	0.1°C/F/K < 1000° 1°C/F/K ≥ 1000°
Warranty	Three-Year	Three-Year	Three-Year	Three-Year
Cat No.	FLU-FLUKE-54-2	FLU-FLUKE-53-2	FLU-FLUKE-52-2	FLU-51-2
Price	\$393.95	\$341.95	\$288.95	\$241.95
Calibrated Cat No.	FLU-FLUKE-54-2-CAL	FLU-FLUKE-53-2-CAL	FLU-FLUKE-52-2-CAL	FLU-FLUKE-51-2-CAL
Price	\$481.00	\$432.00	\$370.00	\$323.00

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



FLUKE

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



SAME DAY SHIPPING!
Your local California Based Supplier

Telecommunication Test



MicroScanner2 Cable Verifier

- Displays cable length, wiremap, cable ID, and distance to fault on one screen
- Detects 10/100/1000 Ethernet, POTS, and PoE
- Locates virtually any cable or wire pair with IntelliTone digital and analog toning
- Tests all common media types, including RJ11, RJ45, coax, with no adapters
- Rubber over mold enhances grip and increases ruggedness
- Oversized backlit LCD makes results crystal clear in any work environment

MicroScanner2 Cable Verifier
No. FLN-MS2-100\$449.00

MicroScanner2 Professional Kit

Includes: MicroScanner2 Cable Verifier with wiremap adapter, remote identifiers #2-7, IntelliTone Pro 200 probe, RJ45 patch cord, RJ11 patch cord, clip-set RJ45 to 8 alligator clip bare wire adapter, F Coax push on patch cord, accessory soft pouch, batteries, getting Started Guide, in a deluxe Fluke Networks carry case
No. FLN-MS2-KIT\$795.00



IDS Blue Box 100 RS232 Breakout Box & Cable Tester

Features full visual overview of the RS232 interface. Fifty pairs of red/green LEDs give a precise reading of activity on both the DTE and DCE sides of every interface circuit. Two 9V lithium batteries provide power for voltage sources, pulse traps and cable testing. Line powered LEDs show relative strength of all signals present.
No. IDS-301020\$327.95



TS90 Cable Fault Finder

Three tools in one - fault locator, cable & wire manager and tone generator with SmartTone™ technology. Results appear as distance reading rather than a waveform, so it's perfect for technicians unfamiliar with Time Domain Reflectometry (TDR). Measure up to 2500 feet from just one end of any two or more conductor cables.

- Tone generator positively identifies pair
 - Measure cable distance on spool
 - High voltage detection
 - Moisture proof
 - One-button operation
- No. HAS-26500-090\$199.00



Paladin Tools®

PC Cable Check Pro

Maps cable and detects good connections, opens, shorts and crosses.
Features: Quickly and easily troubleshoots cables; True cable mapping; Easy-to-read and understand with LED indicator lights; Rugged case with built-in handle; Auto or manual scan modes. Power shut-off extends battery life; Tests patch cables up to 1000'; LAN & telephone, Coax 50 & 75 (600') ohm, VGA, S-video, PS/2 keyboard, USB, Mini-USB, FireWire, Parallel printer. Includes 9V battery. 1 year warranty.
No. PAL-1577\$206.54

Tests all PC, Mac, Video, Network & coaxial cable assemblies!



Paladin Tools®

LAN ProNavigator™ Network Data and Coaxial Cable Tester Kit

- Simple one-button testing (PASS/FAIL or fault find)
 - CAT-5, CAT-5e or CAT-6 (UTP/STP) cable testing
 - Detects opens, shorts, crossed wires & split pairs
- No. PAL-901066\$181.95



Pinger™ Plus Network IP Tester

For installing and maintaining computer LANs running the TCP/IP protocol.

- Identifies 10/100/1000 BaseTX Link signals
 - Verifies connectivity across a LAN by transmitting/receiving pings at either 10TX or 100TX speeds
 - Stores up to 8 preprogrammed profiles that include pinger plus IP address, gateway address & 1 to 8 IP addresses that can be pinged individually or successively
 - Verifies LAN operation at a remote location over the internet
 - Displays the MAC address for a tested IP address
 - Provides port identification function (link light activation)
 - Identifies wire pair connections with reversed polarity
 - DHCP client capability to verify DHCP server is functioning & correct IP addresses are being provided
 - Web browser interface for unit setup
- No. PSI-PINGER\$349.95



TS®22A Butt Set

Features: High-impedance; DataSafe operation in monitor mode; Data lockout protection; Over voltage protection; Over current protection; Two-way speaker-phone for true hands-free conversations; One-way amplified speaker for hands-free monitoring; Audible ringer for callbacks; RainSafe – safe in severe weather conditions; DropSafe – passes 20 foot (6 meter) drop test onto concrete; Meets Bellcore specifications; Tone and pulse operation; Polarity indication in talk mode; PBX pause button; Stores nine 18-digit numbers in repertory dialer (speed dialing); Replaceable 9V battery for powering speaker.
No. HAS-22801009\$324.00





402K CATV Cable Tone Kit

Designed specifically for the CATV industry to send tones through any passive device along the cable path. The transmitter and receiver are equipped with female F-connectors and the kit provides both audible and LED test and tone indications.

Receiver provides three methods of signal reception: electrostatic pickup for non-terminated cables, electromagnetic pickup for terminated or shorted cables and direct connection when identifying passive devices. Kit includes transmitter, receiver, one male F-to-F connector adapter cable, one male F-to-alligator clip adapter cable and carrying case.

No. PEI-402K.....\$177.39



Inductive Amplifiers

Works with any tone generator for wire and cable identification without having to make direct metallic contact with the conductor. Requires one 9V battery (not included).

Volume Control Amplifier includes: LED for visual signal strength indication; Adjustable volume control for more precise identification when tone signal bleed is affecting identification process; Recessed tabs for buttset or headset.

Filter Probe includes: Filter to block out A/C interference; Adjustable sensitivity control LED light; Momentary on/off push button; Recessed terminals.

No. PEI-200B Inductive Amplifier\$73.50
 No. PEI-200EP Volume Control Amplifier\$75.33
 No. PEI-200FP Filter Probe.....\$128.73
 No. EVE-EN22 9V Battery.....\$3.75



701K Classic Tone and Probe Kit

This highly popular kit can identify and locate cable pairs or single conductors. Kit includes the 77HP tone generator, 200EP inductive amplifier, and carrying case. Tracer and amplifier each require a 9V Battery (sold separately).

- 3-color LED shows red for reverse polarity, green for correct polarity, or yellow for AC high dB output (allows reception through low resistance circuits up to 50,000 feet).
- Inductive amplifier has volume control plus recessed terminals to connect lineman's handset.
- One-handed operation.
- Cordura® case with individual compartments included —features velcro belt loop, protective flap and leather tip reinforcement.

No. PEI-701K Tone and Probe Kit.....\$118.86
 No. PEI-700C Cordura® Carrying Case\$17.90
 No. PEI-RPT-1 Replacement Tips, 4 Plastic\$6.60
 No. EVE-EN22 9V Battery\$3.75

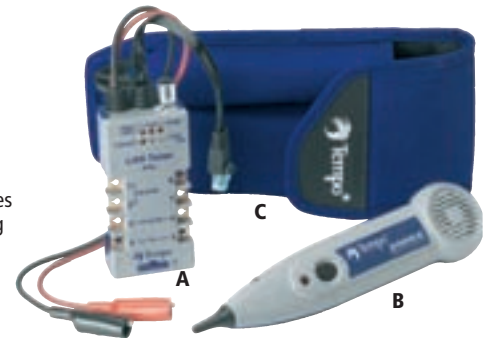


AT8LK LAN Toner Kit

For the tech working on both phone systems and computer networks. The AT8LK LAN Toner (A) features an 8 position modular plug and jack. Combining features of tone generators with a modular breakout adapter allows you to test continuity and polarity, send tone and supply talk battery to any pair in configuration.

For added capability, the AT8LK LAN Toner Kit includes the 200GX Inductive Amplifier (B) in a carrying case (C). Blinking hub, switch port, and PC activity lights for fast identification. Sends tones to identify wires. Both require 9V battery (not included). Inductive amplifier offers an adjustable volume/sensitivity control.

No. PEI-AT8L AT8LK LAN Toner (A)\$80.68
 No. PEI-AT8LK AT8LK LAN Toner Kit (A, B, & C)\$167.21
 No. EVE-EN22 9V battery\$3.75



D814™ Series Impact Tool

All-in-one telecom punchdown tool. Adjustable impact wheel has high and low settings for any type of termination. Automatic spring mechanism provides right impact to seat and/or terminate wires. Compartment at the end of the tool stores an extra blade. Available alone or in sets with commonly-used blades. Lifetime warranty.

Lifetime Warranty



D814 impact tool
 No. HAS-10054-000\$45.00
 D814 impact tool with EverSharp 66 blade
 No. HAS-10055000\$52.00
 D814 impact tool with EverSharp 110 blade
 No. FLN-10055110\$52.00
 D814 impact tool with EverSharp 110 & EverSharp 66 blade
 No. FLN-10055200\$52.00
 D814 impact tool with EverSharp 110, EverSharp 66 blade & free blade
 No. HAS-10055501\$62.00
 D814 impact tool with BIX & Eversharp 66/110 cut blade
 No. FLN-10055503\$81.00

Instrumentation Coaxial Adapter Kit

Assemble any BNC, TNC, N or SMA adapter. Just screw any combination of 20 connectors to 1 of the universal interfaces to create desired adapter. Each adapter kit contains 2 male and 2 female versions of each of the connectors plus 4 universal interfaces. Connectors feature gold plated contacts with silver plated machined brass bodies and teflon insulation.

A. No. RFC-RFA-4024-05 Coax Adapter 30-pc. Kit\$230.95
 B. No. RFC-RFA-4041 Unicable 3-pc. Kit\$88.82
 No. RFC-RFA-4024-03 Instrumentation Adapter Kit, 20-pc.....\$118.95



Test & Measurement

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

Hygro-Thermometer Clock

Display time, temperature and humidity in large LCD display. Attractive indicator can be placed on desktop or mounted on wall. Displays temperature in either °C or °F. Provides Max/Min readings for temperature and humidity. Range: 14.0 to 140.0 °F (-10 to 60 °C) Relative Humidity from 10 to 85%. Comes with AAA battery. 4.3" x 2.8" x .8", 4 oz.

- No. EXT-445702\$32.99



EXTECH
INSTRUMENTS
A FLIR COMPANY

Hygro-Thermometer

One inch high digits on LCD provide simultaneous measurements of temperature and humidity. Complete with stand or wall mounting bracket and AAA battery. Switch between °C or °F. Stores Max/Min readings. Range: 14 to 140°F (-10 to 60 °C) Relative Humidity from 10 to 99%. 4.3" x 3.9" x .8", 4 oz.

- No. EXT-445703\$41.99



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



EXTECH
INSTRUMENTS
A FLIR COMPANY

Specialty Stopwatch/Clock

This digital LCD stopwatch 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



FLUKE

971 Temperature Humidity Tester

Temperature and humidity are two important factors in maintaining optimal comfort levels and good indoor air quality. Quickly and conveniently take accurate humidity and temperature readings with the Fluke 971. The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight and easy to hold, the 971 is the perfect tool for monitoring problem areas. With a rugged holster and twist-open protective sensor cover, the Fluke 971 is built to perform and made to last.



- Backlit dual display of humidity and temperature
- Measures dew point and wet bulb temperatures
- 99 record storage capacity
- Ergonomic design w/ belt clip & protective holster
- Min/Max/Avg Data hold
- Quick-response capacitance sensor with twist-open protective cover
- Compact and lightweight (188 g/6.6 oz)
- Temp. range from -20 °C to 60 °C (-4°F to 140 °F)
- Relative humidity from 5% to 95%
- Low battery indicator

- No. FLU-971 971 Temperature/Humidity Tester\$245.00

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

Prices in this catalog are effective January 1, 2012. While we attempt to hold prices, we cannot control when our vendors increase prices. We reserve the right to correct misprints.