

# Clamp Meters

## BK PRECISION

### Digital Clamp Meters

#### Models 5333 and 5332

5333 Distortion factor is 1-600% (0.1%). Harmonics bargraph. Ripple is 2-600% (0.1%). Logging is ext./int. 5000 rdgs. Chart mode.



5333

5332 Eight screen memory. Logging is ext./int. 10000 rdgs. Chart mode.

These power clamps combine the functionality of a power quality meter, oscilloscope and logger in a single hand-held instrument. Designed for safety and ease of use. Backlight LCD displays five parameters, waveforms, harmonics and data logging trends. Digital output for data download and analysis. Includes instruction manual, test leads and carrying case. Two year warranty.

#### Models 5331A and 5330A

##### 5330A

5331A Peak voltage and current value measurement. Total harmonic distortion, distortion factor, crest factor and ripple measurement. Optional digital interface and Windows® software for data logging and digital waveform output for harmonics analysis.



5330A

These power clamps offer the capability to AC/DC power and power quality measurement. In addition to watts, VA, VAR and power factor readings, these instruments provide accurate current, voltage and frequency measurements. The unique SmartHold® feature allows a complete set of readings for all seven parameters to be stored and displayed at any instant. A 25 segment bargraph gives an immediate indication of analog values and ranges and allow dual parameter display in Power Factor and Frequency modes. Automatic detection of AC, DC and AC+DC signals. True RMS. Integrated three phase power capability for balanced loads. Includes instruction manual, test leads and carrying case. Two year warranty.

### Clamp-On Multimeters

Measures voltage, resistance, capacitance and even frequency. Special features record minimum and maximum values, peak values, test diodes and continuity. Measures up to 2000A and 1000V. Jaw openings 2.24" (Models 330B, 350B and 369B). Low battery indication. Includes battery, test leads, instruction manual and carrying case. One year warranty.



369B

Part No.	AC Current	DC Current	AC Volts	DC Volts	Resist.	Count Resol.	Auto Off	Features
369B	1000A	1000A	750V	1000V	40MΩ	4000	30 min	Frequency, Capacitance, True RMS, Continuity, Diode, Bargraph Data, Peak, and Range Hold Max/Min, Relative
367	2000A	2000A	750V	200V	2kΩ	2000	-	Diode, Data and Peak Hold
350B	1000A	-	750V	1000V	30MΩ	3200	10 min	Frequency, Continuity, Diode, Data Peak and Range Hold, Bargraph
330B	1000A	-	750V	1000V	2000MΩ	2000	-	Continuity, Diode, Data and Range Hold
313	400A	400A	600V	600V	40MΩ	4000	30 min	Continuity, Data Hold
312A	400A	-	600V	600V	400Ω	4000	30 min	Frequency, Continuity, Data Hold



### Digital Clamp Meters

#### 400 Amp Clamp Meters

61-731 True RMS, frequency, temperature, peak hold  
61-730 Data hold



61-731

Audible continuity. Low battery indicator. Overload protection on all ranges. Limited lifetime warranty. Includes carrying case.

#### 1000 Amp Clamp Meters

61-720 Standard model  
61-721 Frequency, peak hold  
61-722 True RMS, frequency, peak hold  
61-723 AC/DC current, frequency  
61-724 True RMS, AC/DC current, frequency, backlit display  
61-725 AC/DC current, frequency, peak hold  
61-726 True RMS, AC/DC current, capacitance, frequency, peak hold, high-speed bar graph



61-726

Large digit display. Audible continuity. Diode test. Data hold. Low battery indicator. Overload protection on all ranges. Limited lifetime warranty. Includes carrying case.

#### 2000 Amp Clamp Meters

61-742 True RMS, AC/DC current, output terminal, diode test  
61-740 Data hold  
61-741 AC/DC current, output terminal, diode test



61-742

Broad frequency response - 40Hz to 1kHz. Low battery indicator. Overload protection on all ranges. Limited lifetime warranty. Includes carrying case.

### Analog Clamp Meters

#### Rotary Drum Clamp Meter

61-710

Six-hundred AAC current capability. Large, optically clear window. Pointer lock. Ohm scale on dial drum. Range finder symbols. Safety wrist strap. Broad frequency response of 50 to 400Hz. Limited lifetime warranty. Includes carrying case.



#### Flat Scale Clamp Meter

61-711

Three-hundred AAC current capability. Pointer lock. Temperature measurement. DC voltage measurement. Safety wrist strap. Limited lifetime warranty. Includes carrying case.



#### Current Clamp and Adapters

61-451 300 AAC current clamp with handle  
61-450 300 AAC current clamp  
61-436 1000 AAC current clamp  
61-561 Line splitter, direct and 10x sensitivity



61-450

# Clamp Meters



## 000 Series Clamp-On's

CE marked. Tested to IEC 1010 Category III 600V. Clamps fit one 750 MCM cable or two 350 MCM cables. Rugged design to MIL-T-28800 for a Class II Instrument. Battery life is approximately 200 hours. Accessories includes vinyl carrying case, test leads, screw-on alligator clips, battery and instruction manual. Three year warranty and one year on calibration.

### 9300 Basic ACA Clamp-on Meter

3<sup>1/2</sup> LCD with maximum reading of 1999. AC voltage measurement to 600V. AC current measurement to 600A. Resistance measurement to 200Ω. Average AC responding measurements. Continuity test. Manual ranging. Data hold.



9300

### 9310 AC/DC Clamp-on Meter

3<sup>3/4</sup> LCD with maximum reading of 3999. AC and DC voltage measurement to 600V. AC and DC current measurement to 1000A. Resistance measurement to 400Ω. Frequency measurement to 4MHz. Average AC responding measurements. DCA zero adjustment knob. Continuity test. Manual ranging. Peak hold.



## 9000 Series Clamp-On's (cont.)

### 9320 True RMS AC/DC Clamp-on Meter

3<sup>3/4</sup> LCD with maximum reading of 3999. True RMS measurements (45Hz to 1KHz). AC and DC voltage measurement to 600V. AC and DC current measurement to 1000A. Resistance measurement to 400Ω. Frequency measurement to 4MHz. DCA zero adjustment knob. Continuity and diode test. Auto ranging. Peak hold.

### C45 Type 2

3228

AC clamp meter. 3<sup>1/2</sup> digit LCD. Rugged case design. AC Voltage measurement to 750V. AC Current measurement to 600A. Resistance measurement to 2000Ω. Frequency measurement to 5 MHz (autorange). Continuity. Data and peak hold. Low battery and overrange indication. Vinyl carrying case. One year warranty. Battery life is approximately 300 hours. Accessories include leads, wrist strap, battery and manual.

# Probes & Probe Accessories

BK PRECISION



Pomona®

GC/Waldom

Paladin Tools®

TRIPLETT

## BK PRECISION

### Pulser Probe DP-31A

For TTL and CMOS. Produces 10mS pulse signal at 100mA. External square wave terminal. Sync input point. One year warranty.



### Logic Probe

- DP-52 50 MHz, detects 10ns pulse width, overload protected
- DP-21 20 MHz, displays pulse presence and logic states, memory mode "freezes" pulse display, 1MΩ input impedance



Tests TTL and CMOS. One year warranty.

### BNC adapter AD-110

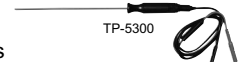
Fully insulated BNC male to 4mm sheathed jack. Use DMM test leads on BNC female connectors. IEC61010-1 500V CATI .50Ω impedance. Fully insulated.



## BK PRECISION

### Temperature Probe

TP-5300 Platinum, thin film RTD in stainless steel tube, resistance - 1000Ω, temperature rating - -58°F~392°F (-50°C~200°C)



- TPK-05 Surface probe, right angle -58°F~752°F (-50°C~400°C)
- TP-1A Immersion probe, standard -58°F~1,650°F (-50°C~900°C)
- TP-2A Air and gas probe -40°F~570°F (-40°C~300°C)
- TPK-04 Piercing probe -58°F~1,122°F (-50°C~600°C)
- TPK-03 Surface probe, standard -58°F~752°F (-50°C~400°C)
- TP-29 Bead probe, standard -58°F~392°F (-50°C~200°C)
- TP-3 Bead probe, hi-temp 140°F~900°F (-40°C~480°C)

### Active Differential Probe PR-60

Allows safe and accurate floating measurements with your standard analog or digital oscilloscope. Switchable between x 10 and x 100 attenuation. Unit includes black and red probes and protective rubber jacket.



EDGE

# Probes & Probe Accessories

## BK PRECISION

### Probes

Fixed attenuation and switchable from 100 to 250 MHz are available. Each probe includes a full accessory kit with a sprung hook, replacement tip and BNC adapter. Models PR-37AG and PR-37AR have REF position on switch for easy ground referencing. All models compliant to IEC61010-2-031.



Part Number	Attenuation	Input Impedance R (MΩ)	C (pF)	Bandwdt. (MHz)	Volt. (VDC + AC max)	Comp. (pF)	Cable Length	Body Color
PR-33A	x1/x10	1/10	46/16	15/90	600	10..35	48" (1.2m)	Black
PR-37AG	x1/x10/REF	1/10	100/15	6/150	600	10..35	48" (1.2m)	Gray
PR-37AR	x1/x10/REF	1/10	100/15	6/150	600	10..35	48" (1.2m)	Red
PR-150	x1/x10	1/10	42/12	25/150	600	10..30	48" (1.2m)	LtGray
PR-46A	x10	10	16	250	600	10..35	48" (1.2m)	Gray
PR-100A	x100	100	6.5	250	1200	10..35	48" (1.2m)	Black
PR-2000	x100	100	5	200	2000	10..30	48" (1.2m)	Red
PR-4000	x100	50	5	100	4000	10..30	48" (1.2m)	Red
PR-15K	x1000	500	3	5	15,000	-	40" (1.0m)	Red
PR-55	x1000	100	1	50	10,000	10..30	80" (2.0m)	Yellow

### Cable Tracer Probe 240P

Used in conjunction with any tone generator in the market, the 240P can trace and identify cables and locate faults, even when cables are in a bundle or hidden in a mess of punch down blocks or wall plates without damaging installation. Special inductive plastic tip, which prevents accidental shorts (possible with copper-tip tracers) when using near high voltage devices. Adjustable volume tone amplifier and an LED indicator. Power Supply: nine volt battery (not included). Includes manual. One year warranty.



### Active FET Probe PR-70

Powered by a 12VDC adapter (included), the probe measures frequencies up to 750MHz with an input impedance of 2pF and 1MΩ. Accessory kit includes: (4) 0.031 gold measuring tips, (2) ultra-miniature test clips, (2) miniature test clips, (2) 5cm miniature test leads and (2) 10cm miniature test leads. Note: Probes 50Ω output impedance requires TE-26 50Ω feed-thru terminator when used on 1MΩ input impedance oscilloscopes.



### Active FET Probe Accessory Kit TIP-70

Replacement kit includes: (4) 0.031 gold measuring tips, (2) ultra-miniature test clips, (2) miniature test clips, (2) 2" miniature test leads and (2) 4" miniature test leads.

## BK PRECISION

### Flex Probes

- 5335 For multimeters, recorders
- 5336 For oscilloscopes, multimeters
- 5337 For oscilloscopes, multimeters



Ideal solution for measuring AC currents, especially for hard to reach conductors. Meets the requirements of oscilloscope users regarding broad bandwidth measurement up to 100 kHz. Flexible and light weight. No restrictions with regard to duty cycle or overload current. Two year warranty.

### Three Piece Oscilloscope Probe Kit PR-50

A complete range of probe attenuation. It contains three probes-1x, x100, and x1/x10 switchable. Includes a full accessory offering with sprung hook, replacement tip, ground lead and BNC adapter. IEC61010-2-031 compliant.



### RF DMM Probe PR-650A

All purpose RF demodulator probe, usable with most DMMs. Allows a DMM to measure sine wave AC signals: 1 Veff=1VDC. Light weight design.



### Forty kV High Voltage DMM Probe PR-28A

If the voltages you need to measure are above the specifications of general purpose probes, B+K Precision has a higher voltage probe for you. Voltage AC is 20kV and voltage DC is 40kV.

### SMD Probe Kit

TL-10

Extended, slim-line probe body for easy reach. Use with small SMD components or general purpose test points. Includes soft, flexible silicone lead wires for easy movement and clear PVC. Pouch for convenient storage. IEC61010-2-031 compliant. Silicone lead wire length 60" (1.5m).



TL-100A

UL listed probes with PVC wire. IEC61010 600V CATIII rating. UL Listed. Highly flexible PVC lead wire, 40" (1.0m). Black and red alligator clips.



# Probes & Probe Accessories

## BK PRECISION

### Probe Accessory Kit TL-3

Threaded accessories to fit TL-2A probes-black and red pairs (except for alligator clip). Alligator clip, red only. Spring hook clips. Four inch sharp extension tips to reach tight test points. No. 10 spade lugs.



## GC/Waldom

### Stationman Probe 12-5706

New locking and non-locking switch which is field adjustable. Includes a cone-shaped and duckbill tip that is longer and flatter, permitting insertion into larger cables or cables under tension where slack can not be obtained. Features: Leads of lineman's test set are clipped to the "ears" of the probe, automatically energizing the probe. High input impedance to permit capacitive coupling with pair carrying the test signal. Output impedance is low to match the impedance of the telephone handset. Quickly and easily locates the proper cable pair containing the tone signal. An audible speaker so that the speaker probe may be used with or without a lineman's test set.



## IDEAL

### Amplifier Probe

- 62-104 Amplifier probe
- 62-105 Nylon case only
- 33-804 Tone generator/probe kit

Easy identification and tracing of metallic wiring. Probe construction allows work to be performed without damage to the insulated conductor. Can be used with any tone generator under typical jobsite conditions. Features include on-off switch, volume control and recessed hand-set terminal ports.



## Paladin Tools®

### Speaker Probe 1568.1

Detects signals through thick cable insulation and walls. Quickly and easily identifies cable pair carrying a tone signal. Identifies patch and termination point of wire. Field-adjustable locking and non-locking switch. Audible speaker enables use without a lineman's test set. Low-output impedance permits capacitive coupling signal between twisted pairs. Supplied with two tips - cone-shaped and duckbill. Uses 9V battery (not included).



## Pomona®

### Retractable Tip Probe to Sheathed Banana Plug Set 5953



Sheathed banana plug set. Set of two 48" long silicone insulated leads, one black and one red. Tip can be fully retracted or extended to 3.0". Rating is 1000V, 10 amps maximum.

### Precision Electronic Probe Kit with Replacement Tips

- 6341 Kit
- 6354 Set of 5 replacement tips



Smallest package available, with all the features of larger probes including ergonomic styling and a 1000 volt rating. Kit contains a pair (black/red) of Precision Electronic Probes and five sets of .040" diameter replacement tips. Included are 2 each: 1" long Stainless Steel Tips, 3" long Stainless Steel Tips, Gold-plated Plunger Tips with Sharp Point, Gold-plated 3-point Plunger Tips and Gold-plated 4-point Plunger Tips. Supplied in a reusable plastic case. Plugs fit most Fluke, Tektronix, Hewlett-Packard and Wavetek meters. Conforms to IEC1010-2-031, Overvoltage Category III, 1000V. Maximum current 3 amps.

### Temperature Probes

- 6367 Round tip



General purpose for gas, air, gel and liquid measurements. Measurement range: -40°F to 500°F (-40°C to 260°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 6"; O.D. 0.25"; Cable length: 48 inches, K-type.

- 6368 Piercing Tip



Use for piercing solid materials. Teflon/spring bullet handle for probe flexibility. Measurement range: 0°F to 250°F (-18°C to 121°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 6", O.D. 0.125", cable length 48 inches, K-type.

- 6378 Thermocouple bead tip



General purpose probe for air and surface measurements. Measurement range: -40°F to 400°F (-40°C to 204°C). Temperature tolerance: ±2.2°C or 0.75%. Cable length: 48", K-type.

- 6375 Heavy duty piercing tip



General purpose sharp probe tip made of 316 stainless steel for solid material penetration. Measurement range: -320°F to 1500°F (-196°C to 815°C). Temperature tolerance: ±2.2°C or 0.75%. Cable length: 48 inches, K-type.

# Probes & Probe Accessories

## Pomona®

### Temperature Probes cont'd

6370 Long tapered tip



General purpose probe features a tapered end for hard to access circuit board testing. Measurement range: 0°F to 220°F (-18°C to 104°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 8", cable length: 48 inches, K-type.

6376 Surface probe



Ideal for measuring surface temperatures in a lab or more rugged environment. Measurement range: 32°F to 500°F (0°C to 260°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 4", O.D. 0.125", cable length: 48 inches, K-type.

6373 Extended range



General purpose probe for gas, air, gels and liquid measurements. Measurement range: -320°F to 1994°F (-196°C to 1090°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 8", O.D. 0.125", cable length: 48 inches, K-type.

6374 Air sensor



Designed for air and gas measurements. Features a radiant heat shield. Probe tip is 304 stainless steel. Not for immersion in liquids. Measurement range: -320°F to 1500°F (-196°C to 815°C). Temperature tolerance: ±2.2°C or 0.75%. Probe length: 8", O.D. 0.188", cable length: 48 inches, K-type.

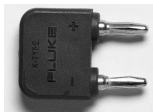
### Infared Temperature Probe

6377 Features sheathed banana plugs. Ideal for fast, non-contact temperature measurements. Switchable for °C or °F readouts. Measurement range is 0°F to 500°F (-18°C to 260°C).

6381 Extended temperature range of 32°F to 1000°F (°F only, C° not available).

### Double Banana Plug Adapter for K-Type Mini-Connectors

6369



Allows temperature probes with K-type mini-connectors to be used with DMM's that are designed with a temperature measurement function from the banana jack input. Measurement range: 0°F to 220°F (-18°C to 104°C). Temperature tolerance: ±2.2°C or 0.75%.

### Monolithic Oscilloscope Probe

4550B

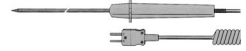


Attenuation is x1/x10. System bandwidth (-3dB) MHz is 15/100. System risetime (ns) is 23.33/3.5. System input resistance (MΩ) is 1/10. Capacitance is 64/10.5. Compensation range (pF) is NA/10~60. Ground reference. Rated 300V (DC + peak AC), per IEC1010-2-031, Cat. I. Cable is 1.2 meters.

## TRIPLETT

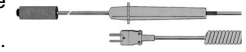
### Temperature Measurement Probes

72-111 K-type thermocouple immersion probe



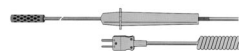
For liquids, gels and granular material. Probe: Corrosion-resistant stainless steel, 8<sup>1/4</sup>" long. Measurement range: -40 to 1562°F, -40 to 850°C. Coiled cord extends to 72". Withstands temperatures up to 220°F (105°C). Handle is non-flammable and withstands temperatures up to 257°F (125°C).

72-112 K-type thermocouple surface probe



For flat or slightly convex surfaces. Probe: Corrosion-resistant stainless steel, 8<sup>1/4</sup>" long. Measurement range: -40° to 950°F, -40 to 510°C. Coiled cord extends to 72". Withstands temperatures up to 220°F (105°C). Handle is non-flammable and withstands temperatures up to 257°F (125°C).

72-113 K-type thermocouple air probe



For measuring air and gases. Perforated stainless baffle, corrosion-resistant stainless steel, 8<sup>1/4</sup>" long probe. Measurement range: -40° to 500°F, -40 to 260°C. Coiled cord extends to 72". Withstands temperatures up to 220°F (105°C). Handle is non-flammable and withstands temperatures up to 257°F (125°C).

79-761 K-type thermocouple bead probe



General purpose probe, not suitable for liquids. Bead, 48" long probe. Measurement range: -40 to 1562°F, -40 to 850°C.

79-310 J-type thermocouple bead probe



72" long probe for use with the G/P Series.

### The Hound 2 Probe

3236 Hound 2 probe

3245-K Fox and Hound 2 probe wire tracing set (with case)

3385-K Fox and Hound wire tracing set (with case)

3248-K LAN Fox and Hound 2 probe wire tracing set (with case)



The streamlined Hound 2 Probe inductive tracer has all of the features of the original Hound plus a few extra. Its sleek case design allows for better access in those tight, hard-to-reach areas. Has an adjustable volume control and an LED that intensifies as the tone signal gets stronger. This makes wire identification easier in noisy environments where the speaker cannot be heard. The Hound 2 Probe can be used in conjunction with the Fox, LAN Fox or WireMaster XR. Contains a hi-gain, hi-impedance amplifier. Capable of identifying the Fox's tone up to 12 inches away. Convenient operation from a standard nine volt battery (not included). One year warranty.