Multimeter Accessories



TL-130A



CP-3



TL-50

Model TL-130A
General Purpose DMM Kit

If you need only one basic accessory kit for your meter, this is the one. Attach probes or clips to the sheath plug to complete your test. Soft, flexible silicone leads make movement easy. Kit is voltage and current rated for either electronic or electrical applications.

- **All components compliant to IEC61010-2-031**
- **Silicone Lead Wire length 60" (1.5m)**
- **Tri-fold Velcro Pouch**

Features

	model TL-130A		
4mm Straight to Right-Angle Silicone Leads, 1.5m	1000V	CATIII	12A
Probe Bodies w/Ø2mm Tip	1000V	CATIII	36A
Alligator Style Clips	1000V	CATIII	20A
Alligator Clips	300V	CATI	3A

Model CP-3
DC/AC Current Clamp

- **Converts any DMM to a current clamp**
- **Measures current without disconnecting circuit under test**
- **Measures to 400A DC or AC**
- **Outputs 1 mV per Amp, operates on 2V range of any DMM**

Specifications

	model CP-3
(Accuracy specified at 18° to 28°C)	
Current Range	2A to 400A, DC or AC
Frequency Response (AC)	50 Hz - 400 Hz
Accuracy	±(2% reading + 2A)
Input Resistance	10kΩ min.
Maximum Conductor Size	1.1" (30mm)
Power Requirement	9V battery, NEDA 1604
Battery Life	100 hr typical
Operating Temperature	0° to 40°C, <70% RH
Storage Temperature	-20° to + 70°C, <80% RH

Model TL-50
Maxi-Pro DMM Kit

Complete accessory kit for all your DMM testing needs. Includes soft, flexible silicone lead wire easy movement and Tri-Fold Velcro Pouch for convenient storage.

- **All components compliant to IEC61010-2-031**
- **Silicone lead wire length 60" (1.5m)**
- **Tri-fold Velcro Pouch**

Features

	model TL-50		
4mm Straight to Right-Angle Silicone Leads, 1.5m	1000V	CATIII	12A
Probe Bodies w/Ø2mm Tip	1000V	CATIII	36A
Pincer Style Clips	1000V	CATIII	6A
Fully Insulated Alligator Clips	1000V	CATIII	20A
Alligator Clips	300V	CATI	3A
Spade Lug Adapters	42V (1000V)		36A
Banana Plug Adapters	42V (1000V)		36A



TL-10

Model TL-10
SMD Probe Kit

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.

- **All components compliant to IEC61010-2-031**
- **Silicone Lead Wire length 60" (1.5m)**
- **Clear PVC Pouch**

Features

	model TL-10		
4mm Straight to Right-Angle Silicone Leads, 1.5m	1000V	CATIII	12A
Extended Tip Probe Bodies	1000V	CATIII	20A



PR-650A

Model PR-650A
RF DMM Probe

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

Specifications

	model PR-650A
Bandwidth	100kHz to 650MHz
Accuracy	±1dB (100kHz-300MHz) ±3dB (300MHz-650MHz)
Input Voltage	100V
HF Voltage	35Veff
Actuating Voltage	350mV
DMM Input Impedance	10MΩ
Input Capacitance	8pF
Cable Length	48" (1.2m)



PR-28A

Model PR-28A
40 kV High Voltage DMM Probe

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.

Features

	model PR-28A		
Attenuation	x1000	Impedance	1000MΩ
Voltage (AC)	20kV	Accuracy (AC & DC)	±3%
Voltage (DC)	40kV	Cable Length	48" (1.2m)
Bandwidth	60Hz		

Multimeter Accessories

Replacement Test Leads



TL-2A

Model TL-2A
Deluxe Test Lead Sets

- IEC61010 1000V CATIII Rating
- Silicone Lead Wire length 60" (1.5m)
- Black Alligator Clip included
- Threaded tips fits TL-3 Accessory kit items



TL-3

Model TL-3
Probe Accessory Kit

- Threaded accessories to fit TL-2A probes – Black and Red pairs (except for alligator clip)
- Alligator clip, Red only
- Spring hook clips
- 4" Sharp extension tips to reach tight test points
- No. 10 Spade lugs



TL-100A

Model TL-100A
UL Listed Probes w/PVC wire

- IEC61010 600V CATIII Rating
- UL Listed
- Highly flexible PVC lead wire, 40" (1.0m)
- Black and Red Alligator clips



TL-1

Model TL-1
Model TL-4

Economical replacement test leads. TL-1 has safety shrouded banana plugs. TL-4 has un-shrouded banana plugs.

- 1500V 3A ratings
- PVC lead wire, 40" (1.0m)
- Black and Red Alligator clips



TL-4



TL-8

TL-8
Surface Mount Tweezers

- Two conductor leads
- 400V rms, 1A

Test Accessory Pairs

(Supplied as Black & Red Pairs)

AD-101
Banana Plug Adapter Set

- 42V (1000V) 36A Rating w/trained user



AD-101

CC-104
Silicone Lead Set

- Highly Flexible Silicone Jacket
- 4mm Sheathed Straight to Right-Angle Plugs
- 60" (1.5m) length
- IEC61010 1000V CATIII 12A Rating



CC-104

TIP-102
Insulated Alligator Clip Set

- IEC61010 1000V CATIII 20A Rating



TIP-102

TIP-104
Insulated Space Lug Set

- 42V (1000V) 36A Rating w/trained user



TIP-104

TIP-110
Very Fine Tip Probe Set

- Extended length w/SS tip
- IEC61010 1000V CATIII 20A Rating



TIP-110

TIP-125A
Alligator Style Clip Set

- Rigid clip body
- IEC61010 1000V CATIII 20A Rating



TIP-125A

TIP-127
Flexible Pincer Clip Set

- Flexible shaft
- IEC61010 1000V CATIII 6A Rating



TIP-127

TIP-128A
Insulation Piercing Clip Set

- Wires up to .145" diameter
- 60VDC/30VAC, 6A Rating



TIP-128A

TIP-129
Standard Alligator Clip Set

- IEC61010 300V CATI 3A Rating



TIP-129

TIP-130
Probe Body Set

- ø2mm Probe Tip
- IEC61010 1000V CATIII 36A Rating



TIP-130

TL-140
5-Way Test Clip Set

- 5-Way Communication Clip
- 60" (1.5m) Silicone Leads



TL-140

Oscilloscope Accessories

Features

	model PR-60
Bandwidth	25MHz (-3dB)
Attenuation Ratio	x10/x100
Accuracy	±2%
Rise Time	14 ns
Input Impedance	4MΩ/10pF each side to ground
Input Voltage	
Max. Differential	±700V (DC+Peak AC)
Max. Common Mode	±700V (DC+Peak AC)
Output Voltage	
Max. Amplitude	±7V (into 2kΩ load)
Offset (Typical)	≤ ±5mV, -10°to 40° C
Noise (Typical)	1.5 to 2mV
Source Impedance	1Ω @ 1kHz 8Ω @ 1MHz
CMRR	
50Hz	86 dB
20kHz	66 dB
200kHz	56 dB
Probes	Spring Hooks (B/R)
Length of Input Lines	18" (45cm)
Operating Temperature	14° to 104°F (-10° to 40°C)
Power Requirements	4 x AA Cells
Certification	IEC61010-1 CATIII



PR-60

Model PR-60

Active Differential Probe

Allows safe and accurate floating measurements with your standard analog or digital oscilloscope. Switchable between x10 and x100 attenuation. Unit includes black and red probes and yellow protective rubber jacket.



PR-37AG



PR-55



PR-150



PR-2000

General Purpose Probes

B+K Precision offers a complete line of oscilloscope probes to enhance the versatility of your unit. Both fixed attenuation and switchable from 90 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**

High Voltage Probes

If the voltages you need to measure are above the specifications of the general purpose probe, B+K Precision has higher voltage probes for you.

- **PR-2000 — 2 kV**
- **PR-4000 — 4 kV**
- **PR-55 — 10 kV**
- **PR-15K — 15 kV**

Specifications

	models PR-33A	PR-37AG	PR-37AR	PR-150	PR-46A	PR-100A	PR-2000	PR-4000	PR-15K	PR-55
Attenuation	x1/x10	x1/x10/REF	x1/x10/REF	x1/x10	x1/x10/REF	x100	x100	x100	x1000	x1000
Input Impedance										
R(MΩ)	1/10	1/10	1/10	1/10	1/10	100	100	50	500	100
C(pF)	46/16	100/15	100/15	45/12	90/14	6.5	5	5	3	1
Bandwidth (MHz)	15/90	6/150	6/150	25/150	10/250	250	200	100	5	50
Voltage (VDC+ACmax)	600	600	600	600	600	1,200	2,000	4,000	15,000	10,000
Compensation (pF)	10..35	10..35	10..35	10..30	10..35	10..35	10..30	10..30	–	10..30
Cable Length	48" (1.2m)	48" (1.2m)	48" (1.2m)	48" (1.2m)	48" (1.2m)	48" (1.2m)	48" (1.2m)	48" (1.2m)	40" (1.0m)	80" (2.0m)
Body Color	Black	Gray	Red	LtGray	Gray	Black	Red	Red	Red	Yellow

Oscilloscope Accessories

Model PR-32A
Demodulator Probe

All purpose demodulator probe, usable with most oscilloscopes. Features light weight design and 48" (1.2m) coaxial cable.



PR-32A

Features	model PR-32A
Bandwidth	100kHz-650MHz
Accuracy	±3dB
Voltage	200V
HF Voltage	50Veff
Actuating Voltage	250mV
Input Capacitance	5pF
Cable Length	48" (1.2m)
Body Color	Black

Model CC-25
BNC / N Type Adapter Kit

The kit contains the most popular In-Series and Between Series BNC and N-type adapters. Solve your hookup problems easily. Bodies are brass, nickel plated with gold plated center contacts.

- **Nine BNC and N Type adapters**
- **50Ω impedance**
- **500Vrms Rating**



CC-25

Adapter Legend	model CC-25
a. BNC female to female	
b. BNC female to N female	
c. N "T" female to male to female	
e. N female to female	
f. BNC male to male	
g. BNC "T" female to male to female	
i. BNC female to N male	



AD-110



TE-26

Model AD-110
BNC Adapter

Fully Insulated BNC male to 4mm sheathed Jack. Use DMM test leads on BNC female connectors.

- **IEC61010-1 500V CAT I**
- **50Ω impedance**
- **Fully Insulated**

Model TE-26
BNC 50Ω Feedthru Termination

Connect 50Ω impedance accessories to 1MΩ impedance instruments.

- **50Ω impedance**
- **2W power**



CC-41A



CC-110

Models CC-41A and CC-150
BNC Cable Assemblies

Standard BNC cable assemblies in three convenient lengths. Black, molded strain release boots provides for long-life. RG58C/U cable and 50Ω impedance. CC-110 is a special fully insulated BNC male to male cable assembly. Meets IEC61010 safety standards. Uses highly flexible RG58 Type cable in two meter length. Color: Black.

Features	models CC-41A	CC-150	CC-155	CC-110
Impedance	50Ω			50Ω
Cable	RG58 C/U			RG58 Type
Connectors	BNC male			Insulated BNC male
Voltage	500Vrms			150V CAT II
VSWR	≤ 1.2			≤ 1.2
Cable Length	40" (1.0m)	48" (1.2m)	60" (1.5m)	80" (2.0m)



CC-21



CC-130

Models CC-21 & CC-130
Special BNC Cable Assemblies

Standard BNC to Alligator clips or Sheathed Stacking Plugs. Model CC-21, Black, molded strain release boots provides for long-life. RG58C/U cable with 50Ω impedance. Model CC-130 with fully insulated BNC male to Sheathed Stacking 4mm plugs. Meets IEC61010 safety standards Includes highly flexible RG58 Type cable in 2.0 meter length. Color: Black.

Features	model CC-21	CC-130
Impedance	50Ω	50Ω
Cable	RG58 C/U	RG58 Type
Connectors	BNC m to Alligator Clips	Insulated BNC male to 4mmPlugs
Voltage	500Vrms	150V CAT II
VSWR	≤ 1.2	≤ 1.2
Cable Length	40" (1.0m)	80" (2.0m)

General Purpose Accessories



PR-50

Features

	model PR-50		
Attenuation	x1	x1/x10/REF	x100
Input Impedance			
R(MΩ)	*	1/10	100
C(pF)	46	100/15	6.5
Bandwidth (MHz)	15	6/150	250
Voltage (VDC+ACmax)	600	600	600
Compensation (pF)	---	10..35	10..35
Cable Length	48" (1.2m)	48" (1.2m)	48" (1.2m)
Body Color	Gray	Grey	Black

* Input impedance of oscilloscope.

Model PR-50

3 Piece Oscilloscope Probe Kit

If you need a complete range of probe attenuation, then this is the kit for you. It contains three probes - x1, x100, and x1/x10 switchable. They are of the same high quality as B+K Precision standard probes but in one convenient kit. Each probe includes a full accessory offering with Sprung Hook, Replacement Tip, Ground Lead and BNC Adapter. All probe are compliant to IEC61010-2-031.

Model TL-55

Test Lab Starter Kit

For the first time student or new lab technician, here is a complete starter accessory kit. It contains the most commonly used products for instrument hookup - leads, probes, hooks and alligator clips for DMMs,150 MHz x1/x10 switchable oscilloscope probe, BNC cable and BNC adapters - everything you'll need to get started. They are of the same high quality as B+K Precision offers individually but in one fully stocked kit. Get going in your profession with B+K Precision instruments and the convenient Model TL-55, Test Lab Starter Kit. Packaged in plastic box.



TL-55

Kit Contents

	model TL-55		
4mm Straight to Right-Angle Silicone Leads, 1.5m	1000V	CATIII	12A
Probe Bodies w/ø4mm Tip	1000V	CATIII	36A
Fully Insulated Alligator Clips	1000V	CATIII	12A
Sprung Hooks	500V	CATI	3A
150MHz Oscilloscope Probe x1/x10/Ref	600V	CATI	
BNC male to male Cable Assembly, 40" (1.0m)	500Vrms		
BNC Breakout to IC Clip	500Vrms		
Insulated BNC male adapter to 4mm Jacks	500V	CATII	3A
BNC female to 4mm Banana Plugs	500Vrms		
BNC male to 4mm Binding Post Adapter	500Vrms		



FP-6

Model FP-6

Semiconductor Test Leads

Specialized test lead set for B+K Precision semiconductor testers. Three conductor lead with 4mm banana plugs to mini-IC test clips.

- **3 conductors - Yellow, Green and Blue**
- **30" (76cm) length**

FET Probe Accessories



PR-70

Features

	model PR-70
Bandwidth	1GHz (-3dB)
Attenuation Ratio	x10
Accuracy	±2%
Rise Time	467ps
Propagation Delay	5.2ns
Input Impedance	1MΩ/2pF
Output Impedance	50Ω
Output Offset	10mV
Dynamic Range	±7V (@x10)
Absolute Maximum Input Voltage	±40V (DC+Peak AC)
Operating Temperate	14° to 104°F (-10° to 40°C), 25 to 85% RH
Storage Temperature	-22° to 158°F (-30° to 70°C), 25 to 85% RH
Power Requirements	12VDC, 50mA Min. (Wall Adapter) Included
Cable Length	48" (1.2m)
Certification	IEC61010-1 CAT I (Pending)

Model PR-70

Active FET Probe

An Active FET probe enables you to measure high frequency signals on your B+K Precision Spectrum Analyzer. Powered by a 12VDC adapter (included), the probe measures frequencies up to 1GHz with an input impedance of 2pF and 1MΩ. The probe also works on B+K Precision oscilloscopes.

The probe includes a full accessory kit for the most demanding applications. Accessories include: 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 feedthru terminator when used on 1MΩ input impedance oscilloscopes.



TIP-70

Model TIP-70

Active FET Probe Accessory Kit

Replacement Kit for Active FET Probe.

Items include: 4 - 0.031 gold measuring tips, 2 - ultra-miniature test clips, 2- miniature test clips, 2- 2" (5cm) miniature test leads and 2- 4" (10cm) miniature test leads.

Power Supply Accessories

TL-30

30A Power Supply Cable

- #10 Spade Lug to Large Battery Clips
- 30A rating
- Black and Red pair
- 30" (0.75m) length



TL-30

TL-5A

5A Banana Plug Power Supply Cables

- 4mm Banana plug to alligator clip
- 5A rating
- Black and Red pair
- 40" (1.0m) length



TL-5A

Carrying Cases



LC-24



LC-28A

B+K Precision offers padded cases to protect your valuable instruments. Choose an appropriate case to meet your needs.

- **Light weight, durable Cordura nylon**
- **Protects your instruments**
- **Room to hold your test leads**



LC-29B

Specifications

models

	LC-24	LC-28A	LC-29B
For Models	Mini-Pro® DMM 2405A, 2407A, 2408	Capacitance Meter 830	All handheld DMM except for 5300 series and Mini-Pro® series
			Component Testers 810B, 815, 875B, 878, 885, 890
Dimensions	3.75 x 1.5 x 6.75" (95 x 38 x 171mm)	4.63 x 2.5 x 7" (117 x 64 x 178mm)	4 x 2.5 x 8" (102 x 64 x 203mm)
Weight	1.27oz. (36g)	3.53oz. (100g)	2.47oz. (70g)
Material	1000D Navy Cordura Laminate Laminate to a 3/16" foam padding, trico backing		

Specifications

models

	LC-32A	LC-33	LC-40	LC-210A
For Models	High Voltage Probes HV-44A, PR-28A	Clamp-on DMM 312A, 313, 330B 350B, 367, 369B	Function Generators 4010A, 4011A 4017A, 4040A	Oscilloscopes 2120B, 2125A, 2126A, 2190B, 2522B, 5105A
			Bench Top DMM 2831C	Spectrum Analyzers 2625, 2630, 2635
Dimensions	17.2 x 3 x 3.5" (437 x 76 x 89mm)	5 x 1.75 x 10.5" (127 x 44 x 267mm)	11 x 5.5 x 12" (279 x 140 x 305mm)	15 x 7.5 x 17.5" (381 x 191 x 445mm)
Weight	8.4 oz. (238g)	3.18 oz. (90g)	1.02 lbs. (470g)	2.36 lbs. (1070g)
Material	1000D Navy Cordura Laminate to a 3/16" foam padding, trico backing			1000D Navy Cordura 400D nylon packcloth inside to help it encompass the 1/4" foam padding



LC-210A



LC-32A



LC-33



LC-40