

## ScopeMeter® test tools family

Integrated Hand Held Scope and Multimeter  
 Battery operated  
 Safety designed for measurements on 600V rms (CAT III)  
 industrial power systems.  
 Bright high contrast display  
 Rugged industrial design

### Fluke ScopeMeter® 90B Series

**The best scope for rugged on-the-go applications**  
 100 MHz dual channel scope  
 3000 count meter  
 40 automatic measurements  
 Video Triggering  
 30k deep memory  
 Cursor scope measurements  
 Available Models: 92B, 96B, 99B, 105B



### Fluke ScopeMeter® 120 Series

**Ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems**  
 20 MHz dual channel scope  
 5000 count dual channel meter  
 Dual TrendPlot™ "paperless" recorder  
 26 automatic measurements  
 Connect and View™ hands-off operation  
 Available Models: 123, 123/S (123/S includes SCC 120)



### Wide assortment of accessories

Innovative instrument design is reflected in a full line of accessories which extend the measurement capabilities of the ScopeMeter test tool. This includes special safety designed probes and clip sets, test leads, carrying cases, power/charging adapters, and current, power and temperature probes. This short-form overview presents a wide assortment of accessories available for use with the ScopeMeter 90 and 120 Series test tools. Fluke accessories are unsurpassed in quality of design and workmanship.



Throughout this brochure an X through a series logo indicates that the related accessory is not suitable for this series of instruments.



Indicates that a product is approved according to UL3111



Indicates that a product is approved according to UL1244

UL1244



**Note:** Effective January 1, 1996, Fluke products sold and shipped into the European Union will comply with the applicable European Commission directives. These products will have the appropriate Declaration of Conformity and will be appropriately marked with the CE symbol.

Isolated Measurements Page

Safety Designed Oscilloscope Probes

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PM 8918/101	1:1 1.5m Probe	x	6
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PM 9090/001	Probe Pin Grabber Flexible Clip	x	10
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Industrial Test Lead Accessories

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Isolated Measurements Page

Safety Designed Cables and Adapters

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C97B	Hard Carrying Case ScopeMeter 90 Series		26

PC Software

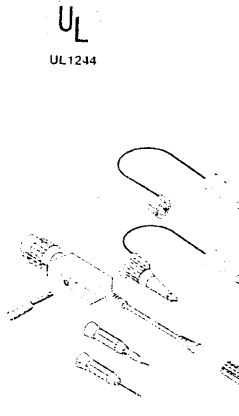
SW90W/012	FlukeView <sup>®</sup> for Windows		27
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**Safety Designed Oscilloscope Probes for Isolated Measurements**

**Probe Test Lead selection table for scope measurements**

Type	Length	Attenuation	Max. Signal Voltage	Bandwidth
PM 8918/00x *	1.5m	10:1	600V	100 MHz
PM 8918/101 *	1.5m	1:1	300V	12 MHz
PM 8918/202 *	2.5m	10:1	600V	75 MHz
PM 8918/301 *	2.5m	10:1	600V	4 kHz
STL120 **	1.2m	1:1	600V	12.5 MHz
STL90 *	1.5m	1:1	300V	1 MHz

\*1 B8120 required for usage with ScopeMeter 120 series  
 \*\*1 For usage with ScopeMeter 120 series only

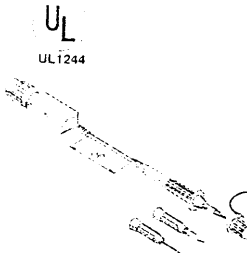


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**PM 8918/001** One red  
**PM 8918/002** One red and one grey  
**PM 8918/003** One grey  
**10:1 Safety Designed Probes**  
 The design is optimized for user's safety, double insulated according to IEC 1010-2-031. Overall length is 1.5m (5 ft). Probes include Probetips, HF Adapters, mini Testhooks, and High voltage Testpins. Probe-only bandwidth for the PM 8918/00x = 100 MHz. Input impedance is 10 MΩ in parallel with 15 pF. Each probe is optimized for an oscilloscope input capacitance of 25 pF.

**Maximum Signal Voltage:**  
600V rms  
**Maximum Surge Voltage:**  
6 kV  
**Maximum Voltage to Ground:**  
600V rms

B8120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.



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**PM 8918/101**  
**1:1 Safety Designed Probe**

One red 1:1 safety designed probe, useful bandwidth 12 MHz. The design is optimized for user's safety, double insulated according to IEC 1010-2-031 for 600V. Overall length is 1.5m (5 ft). Probe includes mini test hook with a ground lead and alligator clip, high voltage test-pin (2 mm), and probe tip to banana adapter (4 mm). Input impedance is 1 MΩ parallel to a probe capacitance of <60 pF.

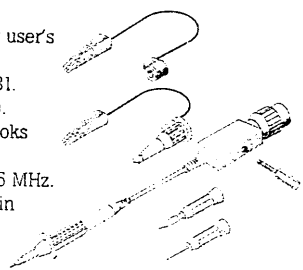
**Maximum Signal Voltage:**  
600V rms  
**Maximum Surge Voltage:**  
6 kV  
**Maximum Voltage to Ground:**  
600V rms

B8120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**PM 8918/202**  
**10:1 2.5m, (8ft) Probe Set**

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Set of two (one red, one grey) 10:1 safety designed probes for use with ScopeMeter test tool. The design is optimized for user's safety, double insulated according to IEC 1010-2-031. Overall length is 2.5m (8 ft). Probes include mini test hooks and high voltage test pins. Probe-only bandwidth = 75 MHz. Input impedance is 10 MΩ in parallel with 15 pF. Each probe is optimized for an oscilloscope input capacitance of 25 pF.



**Maximum Signal Voltage:**  
600V rms  
**Maximum Surge Voltage:**  
6 kV  
**Maximum Voltage to Ground:**  
600V rms

B8120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

UL  
UL1244**PM 8918/301**  
**ScopeMeter Safety Designed**  
**Low Pass Filter Probe**

One (blue) 10:1 probe for low frequency applications. Useful bandwidth is 4 kHz. The design is optimized for user's safety, double isolated according to IEC 1010-2-031.

Overall length is 2.5m (8 ft). Probe includes mini test hook (ground lead with shrouded banana), high voltage test-pin (2 mm), probe tip to banana adapter (4 mm), and large jaw alligator clip (AC85). Input impedance is 10 M $\Omega$  parallel with 12.5 pF.

**Maximum Signal Voltage:**

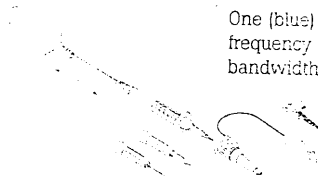
600V rms

**Maximum Surge Voltage:**

6 kV

**Maximum Voltage to Ground:**600V rms 

SB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**SB120**  
**Optically isolated trigger probe**  
**for measurements with isolated**  
**triggering.**

Designed for use with Fluke ScopeMeter 120 series test tools. The probe connects to the optical port of the ScopeMeter 120 series test tools, and features isolated external triggering, for measurements that require external triggering or triggering on floating reference signals.

Probe length is 1.2m (43 inch). The probe includes a hookclip with ground lead, and a 9 Volt Alkaline battery (installed). Input impedance is 10M $\Omega$  in parallel with 15pF.

**Trigger level:**

TTL compatible (High  $\geq$  2V,  
Low  $\leq$  0.8V)

**Minimum pulsewidth:**7  $\mu$ s**Maximum frequency:**

50 kHz

**Maximum signal voltage:**

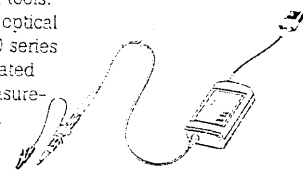
600 Vrms, IEC1010-2-031 CAT II

**Maximum voltage to ground:**600 Vrms **Input resistance:**10 M $\Omega$   $\pm$  10 k $\Omega$ **Battery type:**

Alkaline 9 volt, NEDA, IEC6LR61

**Battery life:**

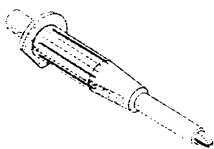
60 hour operation



90



UL1244

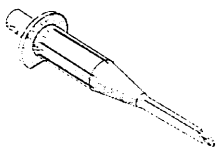
**Industrial Probe Accessories****PM 9084/001**  
**Probe Industrial Alligator Clip**

Safety-designed, spring-loaded alligator clips with a 19 mm (0.75") jaw opening for use with PM 8918 safety designed probes. Set contains one red and one grey clip.

**Maximum Voltage Handling:**  
600V rms CAT III,  
per IEC 1010-2-031



UL1244

**PM 9085/001**  
**Probe Hook-Style Clip**

Safety-designed spring-loaded hook clip for use with PM 8918 safety designed probes. Hook extends 10 mm x 2 mm (0.39" x 0.07"). Set contains one red and one grey clip.

**Maximum Voltage Handling:**  
600V rms CAT III,  
per IEC 1010-2-031



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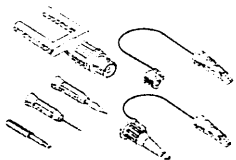
**PM 9090/001**  
**Probe Industrial Pin Grabber Flexible Clip**

Spring loaded pin-grabber hook for use with PM 8918 safety designed probes in close contact areas. Shaft length is 100 mm (3.93") and grabber extends 9.5 mm (0.37"). Set contains one red and one grey.

**Maximum Voltage Handling:**  
600V rms CAT III,  
per IEC 1010-2-031



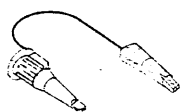
UL1244

**PM 9094/001**  
**Probe Accessory Set**

For use with PM 8918 safety designed probes.

Set consists of:

- 1 Adapter Banana-BNC (PM 9081/001)
- 2 Probetips to Banana Adapters, 1 red, 1 grey
- 2 HF Adapters, black
- 2 Mini Testhooks, 1 red, 1 grey
- 2 Trim Screwdrivers, 1 red, 1 grey
- 2 High Voltage Testpins, 1 red, 1 grey

**PM 9094/101**  
**Mini Testhook Set**

For use with PM 8918 safety designed probes

Set consists of:

- 4 Mini Testhooks, 2 red, 2 grey

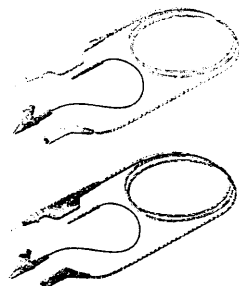
**Industrial Test Leads****FL 120**  
**Industrial Shielded Test Lead Set**

Set of two (one red, one grey) 1.2m (48") double insulated silicone shielded test leads for noise free measurements. Bandwidth 12.5 MHz. Specially designed for use with the Fluke ScopeMeter 120 series. Compatible with AC120 Alligator Clips and HC120 Hook Clips. Safety designed ground leads included.

Integral strain relieve and extra hard probe tips provide extra long service life. Features safety designed shrouded plugs and notched tip to prevent probe from sliding.

**Maximum Signal Voltage:**  
300V rms CAT III,  
per IEC 1010-2-031

**Maximum Voltage to Ground:**  
600V rms CAT III,  
per IEC 1010-2-031   
**Maximum Current:** 1A

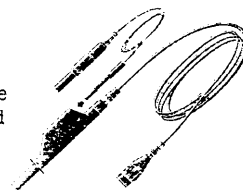


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**STL 90**  
**Industrial Shielded Test Lead Set**

Set consists of two 1.5m (5 ft) silicone insulated shielded test leads (one red, one grey). Useful bandwidth 1 MHz. The set also includes two ground leads, two 4mm and 2mm Tip adapters, three backprobe pins, and two insulated Alligator Clips (AC85A). Superior strain relieve and flexibility provide extra long life.

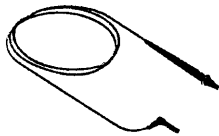
**Maximum Signal Voltage:**  
300V rms CAT III,  
per IEC 1010-2-031  
**Maximum Voltage to Ground:**  
600V rms CAT III,  
per IEC 1010-2-031   
**Maximum Current:** 3A



120



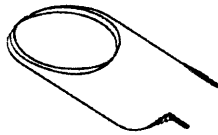
**TL75**  
**Hard Point Right Angle Test Lead Set**



Set consists of two 1.2m (4 ft) comfort grip probes with PVC-insulated leads. Super strong tips and new integral strain relief provide extended service life. Safety shrouded, right angle inputs.  
Not recommended for  $\mu\text{V}$  measurements.

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 10A

**TL 24**  
**Flexible Test Leads**

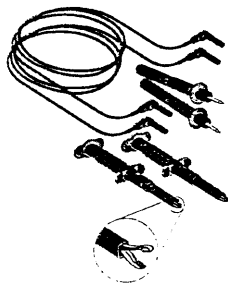


Set consists of two 1.5m (5 ft) silicone insulated test leads. One end has a shrouded right angle, the other end has a shrouded straight connector (red, black).

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 10A



**TL20**  
**Test Lead Set 20**



Industrial Test Lead Set, Silicone Insulated Banana Plugs. Set consists of 1.6m (5ft 3") silicone insulated test leads that remain flexible from  $-100^{\circ}\text{C}$  to  $300^{\circ}\text{C}$ . Leads have shrouded right-angle connections. The set also includes interchangeable stainless steel test probes and safety designed alligator clips.

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 10A

**Industrial Test Lead Accessories**

**HC120**  
**Hook Clips 120**



Set of two (one red, one grey) Hook Clips, designed for use with STL 120 Shielded Test Leads and TL75 Test Leads. Accepts wires up to  $2.5\text{mm}^2$ . The contact material is made of reinforced nickel plated steel.

**Maximum Voltage:** 600V rms  
CAT III, per IEC 1010-2-031

**AC120**  
**Alligator Clips 120**

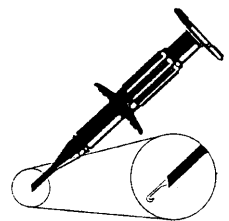


Set of three (one red, one grey, one black) safety designed insulated Probe Tip Alligator Clips. Designed for use with STL 120 Shielded Test Leads and TL75 Test Leads.

Accepts standard 0.08" (2mm) pin tip sized test probes. Nickel plated steel jaw contact material with standard jaw opening of  $5/16"$  (8mm).

**Maximum Signal Voltage:**  
600V rms CAT III,  
per IEC 1010-2-031  
**Maximum Current:** 10A

**AC80**  
**Hook Style Clips for Banana Plug**

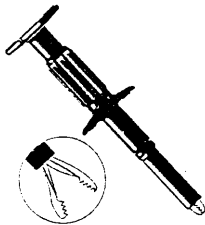


Set consists of two safety-designed spring-loaded hook grip. Hook size 10 mm x 2 mm (0.39" x 0.07"). Set of one red and one black. Compatible with all right-angle test leads having standard diameter banana plugs, with or without safety shrouding.

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 3A



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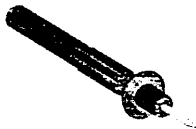


**AC20**  
**Industrial Alligator Clips for**  
**Banana Plugs**

Set consists of two safety-designed spring-loaded alligator clips with 19 mm (0.75") jaw opening. Set of one red and one black. Compatible with all right-angle test leads having standard diameter banana plugs, with or without safety shrouding.

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 10A

**TP20**  
**Industrial Test Probes for**  
**Banana Plugs**



Set consists of two test probes, one red, one black. Very sharp, extra long 19 mm (0.75") stainless steel tip. For reaching deep points or recessed components; will pierce insulation, compatible with all right angle test leads having standard diameter banana plugs, with or without safety shrouding.

**Maximum Voltage:** 1000V rms  
**Maximum Current:** 10A

**Current Probes and Shunts**

**Current Probe Selection Table**

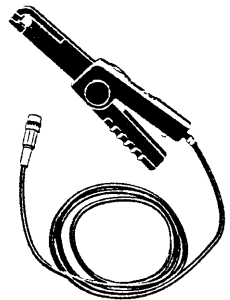
Type	Coupling	Range	Bandwidth
80i-110s*	AC/DC	50mA ..100A	100 kHz
80i-500s*	AC	1A..500A	10 kHz
80i-1000s*	AC	0.1A..1000A	100 kHz

\*BB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**80i-110s**  
**Clamp-on AC/DC Current Probe**  
**50mA to 100A for Scopes**

Accurate AC, DC and AC+DC current measurements for electrical and electronic applications. Wide measurement range from 50 mA to 100A - useful to 10 mA. The 80i-110s has a safety designed 600V insulated BNC, compatible with Fluke 40 and 41 Power Meters, ScopeMeter test tools and oscilloscopes.

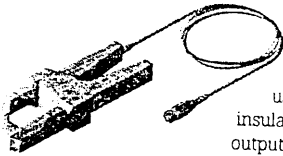
**2 Switch Selectable Input Ranges:**  
0..10A, 0..100A  
**Basic accuracy:**  
± (3% of reading + 50 mA)  
**Output Signal:**  
100 mV/A, 10 mV/A  
**Frequency Range:** DC..100 kHz  
**Working Voltage:** 600V AC rms  
**Maximum Conductor Size:**  
11.8 mm (0.46") diameter  
**Safety Rating:** 600V rms CAT II and 300V rms CAT III, per IEC 1010-02-032. Designed to meet UL 3111 and CSA-C222 no. 1010-1.



BB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**80i-500s**  
**Clamp-on AC Current Probe 1A**  
**to 500A for Scopes**

Current clamp for capturing current waveforms with Fluke ScopeMeter test tools, Fluke 40 and 41, Power Meters, and other voltage-input devices, without breaking the circuit. Designed for industrial and commercial power distribution systems. Enhanced safety by using double or reinforced insulation for probe jaws, handle, output cable and BNC connector (rated to 600V rms).

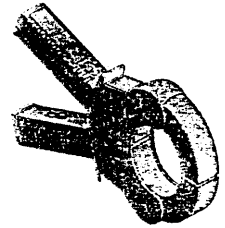


**Input Current Range:** 1A to 500A AC rms  
**Basic Accuracy:**  $\pm 3\%$  of reading  
**Output Signal:** 1 mV AC per 1A AC, 1000:1 division ratio  
**Frequency Range:** 5 Hz to 10 kHz  
**Working Voltage:** 600V AC rms  
**Maximum Conductor Size:** 30 mm (1.18") diameter  
**Safety Rating:** IEC 1010-1 installation per CAT III @ 600 Volts

BB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**80i-1000s**  
**Clamp-on AC Current Probe**  
**100mA to 1000A for Scopes**

AC Current clamp for measurements on power systems for power quality measurements and distribution system troubleshooting. The probe is compatible with oscilloscope inputs and provides a millivolt output signal to allow an oscilloscope to accurately reproduce current waveforms with minimal distortion. Double and reinforced insulation throughout protects the user from working voltages of up to 600V rms. The jaw size allows measurements on large power cable assemblies as well as on individual wires. The 100 kHz low pass output filter eliminates wideband noise.



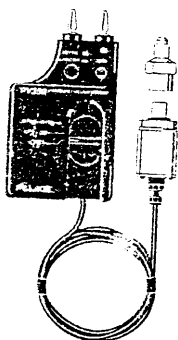
<b>Output Scaling</b>	1 mV/A	10 mV/A	100 mV/A
<b>Input current (A)</b>	5..1000A (2000 peak)	0.5..100A (200A peak)	0.1..10A (20A peak)
<b>Accuracy</b>	2% of reading	2% of reading	3% of reading $\pm 100$ mA

**Usable Freq. Range (with Current Derating):** 5 Hz..100 kHz  
**Required Instrument Input Impedance:**  $> 1 \text{ M}\Omega // \leq 47 \text{ pF}$   
**Maximum Conductor Size:** 54 mm (2.13")  
**Safety Rating:** Designed to CAT II, double or reinforced insulation requirements of UL 1244, ANSI/ISA S82, CSA C22.2 No. 231 and IEC 1010-1.  
**Working Voltage:** Clamp jaws to ground 600V rms CAT III  
**Float Voltage:** Output cable and connector to ground circuits 600V rms CAT III

BB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.



**Pressure and Temperature Probes**

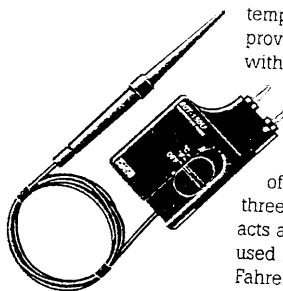


**PV350  
Digital Pressure/Vacuum  
Module**

The PV 350 can be used for direct pressure and vacuum measure with ScopeMeter test tool. Measures pressure to 350 psig (3447 kPa) and vacuum from 0 to 76 cm Hg (0 to 29.9" Hg). Transducer sealed in 316 stainless steel and compatible with a variety of liquids and gases.



**80T-150U  
Universal Temperature Probe,  
-50°C to +150°C**

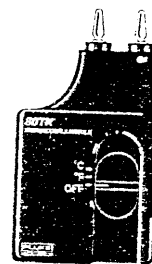


The 80T-150U is a universal temperature probe designed to provide the ScopeMeter test tool with temperature measuring capability. Intended for air, surface, and non-corrosive liquids, the probe provides direct temperature conversion of 1 mV DC per degree. A three-position switch on the unit acts as a power switch and is used for selecting Celsius or Fahrenheit scaling for the output. Operating power for the 80T-150U is derived from a standard 9 volt battery.

**Temperature Range:** -50°C to +150°C, or -58°F to 320°F, cable 70°C maximum  
**Sensitivity:** 1 mV per °C or °F  
**Resolution:** 0.1°C or 0.1°F on the 200 mV range of a 3 1/2-digit DMM  
**Ambient Temperature Range of Unit:** 0°C to +50°C or 32°F to 122°F  
**Relative Humidity:** 90%, non condensing from 0°C to +35°C  
**Accuracy:** (including nominal 0.25% voltmeter error, in +15°C to +35°C ambient) ±1°C (1.8°F) 0°C to 100°C, decreasing linearly to ±3°C (5.4°F) at -50°C and +150°C

**80TK  
Thermocouple Module**

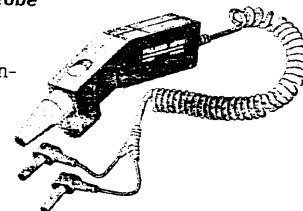
The Fluke 80TK thermocouple module is a low cost temperature measurement accessory which converts the output from a Type K thermocouple into 1 mV per °C or °F signal. A bead thermocouple with connector is included. A three position switch on the module acts as power switch and for selecting Celsius or Fahrenheit scaling for the output. Operating power is derived from a standard 9 volt battery (included).



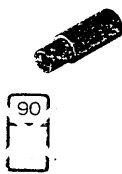
**Temperature Range:** -50°C to +1000°C, or -58°F to 1832°F  
**Celsius Fahrenheit Selection:** Switch selected  
**Sensitivity:** 1 mV per °C or °F  
**Ambient Temperature Range of Unit:** 0°C to +50°C, or 32°F to 122°F  
**Accuracy:** 0.5% ±2°C, or 0.5% ±3.6°F

**80T-IR  
Infrared Temperature Probe**

The Fluke 80T-IR Infrared Temperature Probe is a non-contact temperature measurement accessory probe which converts infrared light emitted by an object into a 1 mV DC per °C or °F signal. The infrared probe has a selection switch for direct reading of temperature in °C or °F



**Temperature Range:** -18°C to +260°C, or 0°F to 500°F  
**Accuracy:** ±3% (+3 digits) of reading  
**Repeatability:** ±1% of reading  
**Emissivity:** Fixed at 0.95  
**Response Time:** 1 second  
**Optical Resolution:** 4 to 1 distance to spot size  
**Output:** 1 mV per °C or °F  
**Power:** 9V Alkaline batter, included  
**Battery Life:** 50 hours (automatic shut off after 10 minutes)  
**Ambient Temperature Range of Unit:** 0°C to +65°C, or 32°F to 150°F



### Safety Designed Cables and Adapters

#### BB120 Shielded Banana to BNC Adapter Plug

Set of two safety designed shrouded BNC to Shielded Banana Adapter for use with Fluke ScopeMeter 120 series.

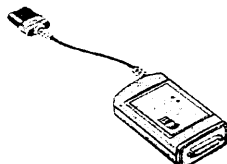
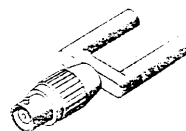
**Maximum Signal Voltage:**  
300V rms CAT III,  
per IEC 1010-02-031  
**Maximum Voltage to Ground:**  
600V rms CAT III,  
per IEC 1010-2-031

#### PM 9081/001 Safety-Designed Dual Banana Plug to Female BNC Adapter

The set consists of two adapters. One red (signal) and one black (ground) 4 mm (0.15") banana contact.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms

BB120 Shielded Banana to BNC Adapter is recommended for ScopeMeter 120 series.



#### PAC91 Printer Adapter Cable

Safety designed optical to parallel printer adapter cable for connecting to printers with centronics (parallel) interface. Cable length: 250 mm. Compatible with Fluke Power Harmonics Analyzers, ScopeMeter test tools and Graphical Multimeters.

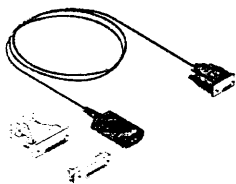
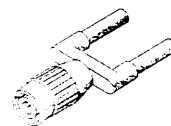
**Hard Copy:** ScopeMeter test tool supports Epson FX/LQ series, Laserjet and Deskjet compatible printers.

**Battery Type:** Alkaline 9 Volt, NEDA, IEC6LR61

#### PM 9082/001 Safety-Designed Dual Banana Jack to Male BNC Adapter

The set consists of two adapters. One red (signal) and one black (ground) 4 mm (0.15") banana contact.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms



#### PM 9080/001 Optically Isolated RS-232 C Interface Adapter

Safety designed serial interface for digital hard-copy output to serial printer or remote control via a PC. Compatible with Fluke ScopeMeter test tools, Power Harmonics Analyzers, Graphical Multimeters and MultiFunction Counters

**Hard Copy:** ScopeMeter test tool supports Epson FX/LQ series, Laserjet and Deskjet compatible printers.

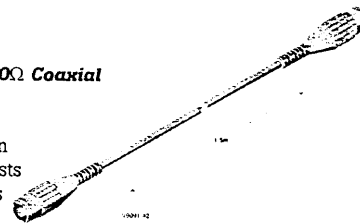
**Remote control:** Waveforms, Scope and Meter measurements, Front Set-ups and performance verification/calibration. Transmission rate is up to 19200 Baud. Compatible with FlukeView software.

#### PM 9091/001 Safety Designed 50Ω Coaxial BNC Cables

Cable length is 1.5 m (5 ft). Each set consists of three black cables with colored BNC male connectors (red, grey and black) for easy identification.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms

BB120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.



**PM 9092/001**  
**Safety Designed 50Ω Coaxial BNC Cables**

Cable length is 0.5 m (5 ft). Each set consists of three black cables with colored BNC male connectors (red, grey and black) for easy identification.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms

58120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**PM 9093/001**  
**Safety-Designed Male BNC to Dual Female BNC Adapter**

Male BNC to dual female BNC T-piece. Set consists of two adapters.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms

58120 Shielded Banana to BNC Adapter is required to adapt to ScopeMeter 120 series shielded banana jack inputs.

**PM 9095/001**  
**Single Banana Jack to Male BNC Adapter**

Single banana to BNC adapter for direct connection 4 mm test leads to the BNC inputs of the ScopeMeter 90 Series test tool. Set consists of one red and one grey adapter.

**Maximum Signal Voltage:**  
300V rms  
**Maximum Voltage to Ground:**  
600V rms

**Powering and Charging**

**PM 8907/80n**  
**Line Voltage Adapter/Battery Charger**

Provides power cord operation and charging for ScopeMeter test tool.

**Mains (line voltage):**

/801 (Europe) 230V ± 10%  
/803 (North America) 120V ± 10%  
/804 (United Kingdom) 240V ± 10%  
/806 (Japan) 100V ± 10%  
/807 (Australia) 240V ± 10%  
/808 (Universal) 115V ± 15%  
or 230V ± 15%  
(/808 version has a North American line plug)

**Frequency (all versions):**

50 Hz, 400 Hz ± 10%

**Output Voltage:** 15V

**Output Current:** 300 mA max.

**Output Plug:** 5 mm power jack per DIN 45323

**Power Consumption:** 10 VA

**Max. Voltage to Ground:** 600V rms CAT III according to IEC 1010-1.

**BP120**

**Battery Pack 120 Series**

Set of four Ni-Cd batteries, designed for use with the Fluke ScopeMeter 120 series.

**Nominal Voltage:** 4.8V

**Capacity:** 1800 mAh

The battery pack can be charged in the instrument.

Performing refresh cycles on a regular basis, as provided by the 120 series ScopeMeter, will strongly contribute to the lifespan of the batteries.

**PM 9086/011**

**Battery Pack 90 Series**

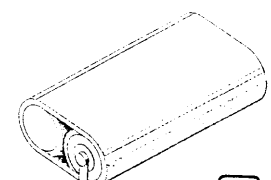
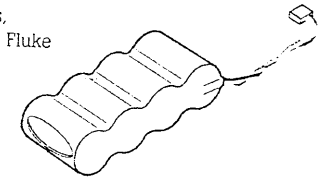
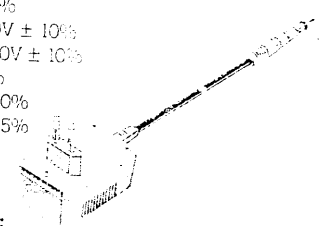
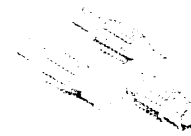
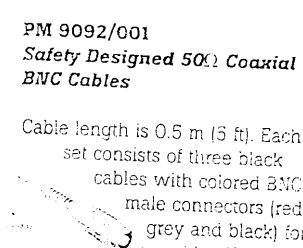
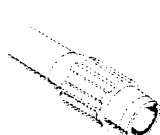
Set of four Ni-Cd batteries, designed for use with the Fluke ScopeMeter 90 Series.

**Nominal voltage:** 4.8V

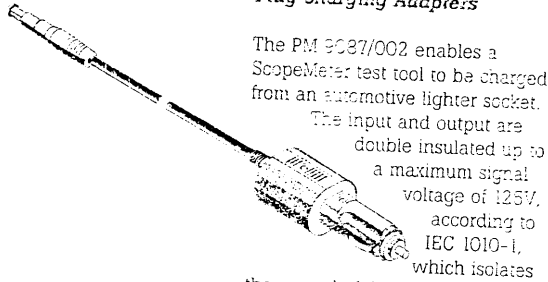
**Capacity:** 2800 mAh

The battery pack can be charged in the instrument and with the PM 8906/80n charger.

UL



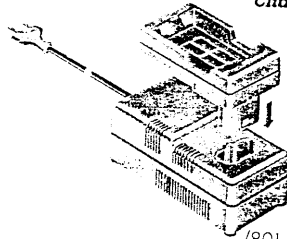
**PM 9087/002**  
**Isolated Automotive Lighter**  
**Plug Charging Adapters**



The PM 9087/002 enables a ScopeMeter test tool to be charged from an automotive lighter socket. The input and output are double insulated up to a maximum signal voltage of 125V, according to IEC 1010-1, which isolates the ground of the ScopeMeter test tool from the car battery (chassis) ground. The input is also fused to prevent fire or accidental damage to the device.

- Input Voltage:** 9V dc to 18V dc
- Output Voltage:** 12V dc  $\pm$  10%
- Output Current:** 400 mA max
- Power Consumption:** 5W max
- Isolated Voltage:** 150V input to input
- Cable Length:** 2 m (6.5 ft)

**PM 8906/80n**  
**Quick Ni-Cd Battery Pack**  
**Charger**



Charger for battery pack PM 8086/011 or 4 Ni-Cd size C batteries, rapid charge type. The charger includes the adapter for the PM 8086/011 battery pack.

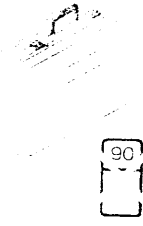
- Mains (Line Voltage):**
  - /801 (Europe) 230V  $\pm$ 15%
  - /803 (North America) 120V  $\pm$ 15%
  - /804 (United Kingdom) 230V  $\pm$ 15%
- Frequency (All Versions):** 50 Hz to 400 Hz  $\pm$ 10%
- Power Consumption:** 18 VA
- A LED indicates the charging process.
- LED On:** Quick charge in progress
- LED Blinking:** Trickle charge state.



**Protective Cases and Holsters**

**SCC120**  
**Software Cable Case 120 Series**

- Accessories Package, including:
  - FlukeView™ Software for Windows,
  - PM9080 Optically Isolated RS-232 Adapter/Cable,
  - C120 Hard Carrying Case (black)
  - One BB120 Adapter.



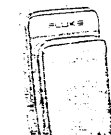
**C120**  
**Hard Carrying Case 120 Series**

Heavy duty hard case (black) made of shock resistant polypropylene, to be used for storing and transporting the ScopeMeter 120 Series. Storage compartments for test leads, probes, instruction manual, power adapter and other small accessories.



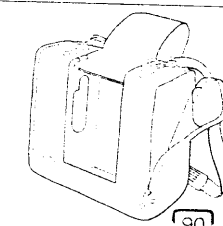
**C125**  
**Compact Soft Case for 120 Series**

Zippered carrying case (black) designed to carry ScopeMeter 120 Series. Additional pouch is designed to carry test leads and probes. Convenient belt loop accommodates tool belt.



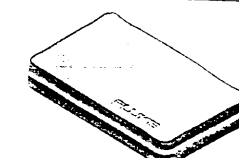
**C789**  
**Soft Carrying Case**

Durable, synthetic, woven fabric case (black) protects and allows use of tool while in case. Suitable for GMM 860 Series, Process Calibrator 700 Series and ScopeMeter 120 Series. Separate internal compartments are designed to organize accessories. The carrying strap allows hand or shoulder use.

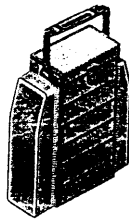


**C75**  
**Accessory Soft Case for Testleads or Probes**

Vinyl protective case (grey) with two inside pockets. Designed to carry test leads, test probes, or clips. Will not accommodate current clamps or long temperature probes.

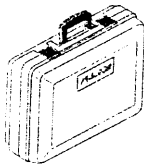


**Size:** 190 mm H x 108 mm L x 32 mm D (7.48"H x 4.24"L x 1.25"D)



**C95**  
**Soft Carrying Case 90 Series**

A soft zippered vinyl carry case (grey) designed for storing and transporting the ScopeMeter 90 Series test tool. Two separate side storage compartments are provided for test leads, probes, power adapter and other accessories. An integrated tilt stand is provided for optimum viewing angle.



**C97B**  
**Hard Carrying Case 90 Series**

Heavy duty hard case (grey) made of shock resistant polypropylene, to be used for storing and transporting the ScopeMeter 90 Series test tool. Storage compartments for test leads, probes, instruction manual, power adapter and other small accessories.

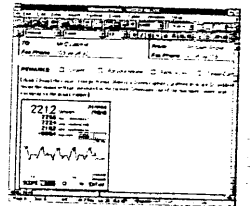
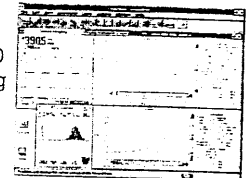


**PC Software**

**SW90W/012**  
**FlukeView® for Windows\***

FlukeView ScopeMeter Software increases the versatility and benefits of ScopeMeter 90 and 120 Series with documenting, archiving and analysis capabilities. It is easy-to-use software that performs the functions required to connect the ScopeMeter to the PC. The program can transfer ScopeMeter display images, waveforms, meter readings and set-ups to the PC. Easily copies images or data to the Windows clipboard for use in your favorite word processor or spreadsheet.

English, French and German languages available.



**System requirements**

**Windows**

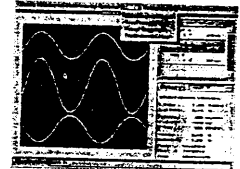
- Windows 3.0 or later
- PC 386 or higher
- Supports all graphic adapters supported by Windows
- Supports all printers supported by Windows
- RS-232 interface

Optional PM9080 RS-232 Adapter/Cable required

**SW90D/001**  
**FlukeView® for DOS**

FlukeView ScopeMeter Software enhances the ScopeMeter 90 Series with documenting, archiving and analysis capabilities. It is easy-to-use software that performs the functions required to connect the ScopeMeter to the PC. The program can transfer ScopeMeter display images, waveforms, meter readings and set-ups to the PC. Easily saves data in file for importing in your favorite word processor or spreadsheet.

English, French and German languages available.



**System requirements**  
**DOS**

- MS DOS 3.3 or later
- 450 Kb of free memory
- PC AT 286 or higher
- VGA or higher
- Supports over 100 printers
- RS-232 interface

Optional PM9080 RS-232 Adapter/Cable required



**Accessory Recommendations  
for Measurements >42V Peak  
(30V rms)**

Similar to a safety-designed multimeter, but unlike a conventional oscilloscope, the ScopeMeter input connectors have no exposed metal and are fully insulated to protect against electrical shock.

The ScopeMeter COM (common) inputs (Input A input shield, Input B input shield, and black banana jack) are connected internally via self-recovering fault protection. Any voltage on one COM input will be present on all COM connections.

**To avoid risk of electrical shock, use only the following accessories when a ScopeMeter COM input is connected to >42V peak (30V rms):**

PM 8907/801, PM 8907/803,  
PM 8907/804, PM 8907/806,  
PM 8907/807, PM 8907/808,  
PM 8918/001, PM 8918/002,  
PM 8918/003, PM 8918/101,  
PM 8918/202, PM 8918/301,  
ITP120, PM 9094/001,  
PM 9081/001, PM 9082/001,  
PM 9084/001, PM 9085/001,  
PM 9090/001, PM 9091/001,  
PM 9092/001, PM 9093/001,  
PM 9095/001, PM 9080/001,  
PAC91, 80i-110s, 80i-500s,  
80i-1000s, TL20, TL24, TL75,  
STL90, STL120, AC20, AC80,  
AC120, TP20, HC120, BB120

**Other ScopeMeter compatible accessories are only suitable when the ScopeMeter COM input is connected to an earth ground potential or <42V peak (30V rms).**