

# General Accessories

The best test tools deserve accessories designed and manufactured to the same high quality and safety standards. So we also provide a comprehensive range of test leads, probes and clips, current clamps, temperature accessories and dedicated electronic and automotive accessories. And to protect your valuable instrument, choose a rugged Fluke tailor-made holster or case.



# Electronic Test Leads, Probes & Clips

FLUKE®

## Test Leads

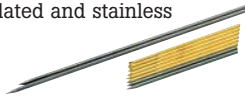
### TL910 Electronic Test Lead Set

- Very small 1 mm tips to access hard to reach test points
- Probe tip length up to 100 mm, test lead length: 1 m
- Included: 3 sets of spring loaded gold tips and 2 sets of stainless steel tips
- CAT IV 600 V, CAT III 1000 V, 3 A rating



### TP912 Replacement Tips for TL910

- Replacement tips for TL910
- Five sets of gold plated and stainless steel tips



### TL40 Retractable Tip Test Lead Set

- One pair (red, black) of test leads with sharp needle point tips adjustable to desired length from 0 to 76 mm
- Extra hard probe tips to provide long service life
- Flexible silicone insulated test leads
- CAT II 150 V, 3 A rating, UL listed



### TL940 Mini-Hook Test Lead Set

- 1 pair (red, black) of test leads with multi-stacking 4 mm banana plugs and mini-hooks
- Mini-hooks attach to component leads up to 1.5 mm diameter
- 90 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



### TL950 Mini-Pincer Test Lead Set

- 1 pair (red, black) of test leads with multi-stacking 4 mm banana plugs and mini-pincers
- Mini-pincers open to 2.3 mm
- 90 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



## Test Leads / Patch Cords

### TL960 Micro-Hook Test Lead Set

- 1 pair (red, black) of test leads with multi-stacking 4 mm banana plugs and micro-hooks
- Micro-hooks attach to component leads up to 1 mm diameter
- 90 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



### TL930 Patch Cord Set (60 cm)

- 1 pair (red, black) multi-stacking 4 mm banana plug patch cords
- Nickel-plated banana plugs
- 61 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



### TL932 Patch Cord Set (90 cm)

- 1 pair (red, black) multi-stacking 4 mm banana plug patch cords
- Nickel-plated banana plugs
- 90 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



### TL935 Patch Cord Kit (60, 90, 120 cm)

- 3 sets (red and black pairs) of multi-stacking 4 mm banana plug patch cords
- Nickel-plated banana plugs
- 60 cm, 90 cm, 120 cm long PVC insulated leads
- 30 V rms or 60 V DC, 15 A



### H900 Test Lead Holder

- Heavy duty construction with mounting holes
- Holder has 10 slots for wires up to 8 mm in diameter
- Over-all dimensions: 27.9 cm L x 8.9 cm W x 3.2 cm H



## Kits

### TL80A Basic Electronic Test Lead Kit

- One pair (red, black) each 1 meter long silicone test lead set, alligator clip and probe tip extender.
- C75 soft carrying case
- CAT II 300 V. UL listed



### TP920 Test Probe Adapter Kit

- Set of push-on adapters for TL71 and TL75 test probes
- IC test adapters, extended probe tips, medium alligator clips (max. opening 7.6 mm)
- CAT II 300 V, 5 A rating



### TL970 Hook and Pincer Kit

- TL940 Mini-Hook Test Lead Set
- TL950 Mini-Pincer Test Lead Set
- TL960 Micro-Hook Test Lead Set



### TL81A Deluxe Electronic Test Lead Kit

- Includes components of TL80, plus one pair (red, black) each modular 1 meter long silicone test lead, test probe, hook-style and pinch style clip, alligator clip, IC probe tip adapter and spade lugs
- Quadfold soft carrying case
- CAT II 300 V. UL listed



### TLK287 Electronic Master Test Lead Kit

- Includes modular leads, probes (black and red), minigrabber/jack set, medium alligator clips (black and red), spade lug/banana jack plated (set), couplers IEC1010 (black and red), micrograbbers and -leads (black and red)
- TL910 Electronic Test Lead Set
- Quadfold Pouch
- CAT III 1000 V (probes only)



### BP980 Double Banana Plug Kit

- 5 pair (red, black) of double 4 mm banana plugs
- Each plug has 3.1 mm holes for mounting wires and components
- Brass plugs/jack, beryllium copper springs
- 30 V rms or 60 V DC, 15 A



# Industrial Test Leads, Probes & Clips

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## Test Leads

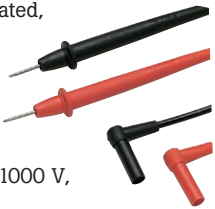
### TL71 Premium Test Lead Set

- One pair (red, black) comfort grip probes with silicone insulated, right-angle test leads
- Recommended for  $\mu$ V measurements
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



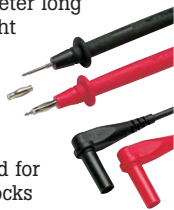
### TL75 Hard Point™ Test Lead Set

- One pair (red, black) comfort grip probes with PVC insulated, test leads with right-angle shrouded banana plugs
- Recommended for general purpose measurements
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



### TL76 All-in-one Test Lead Set

- One pair (red, black) 1.5 meter long silicone test leads with right angle shrouded banana plug
- Lantern tip (removable) for use with European wall sockets (4 mm  $\varnothing$ )
- Lantern tip can be removed for easy access to terminal blocks (2 mm  $\varnothing$ )
- Removable, insulated IC caps allow probing on closely spaced leads and compliance with GS38.
- Cat IV 600 V, CAT III 1000 V, 10 A rating. UL listed



SureGrip™ accessories are designed to improve steadiness in slippery hands. Rubber overmolded surfaces and finger-hugging curves give the user a comfortable, reliable grip on the accessory so they can focus on making an accurate measurement.

## Modular Test Leads

### TL221 SureGrip™ Extension Lead Set

- One pair (red, black) of silicone insulated leads with straight connectors on both ends
- Reinforced strain relief
- Includes one pair (red, black) of female couplers
- Extends test leads by 1.5 m
- 600 V CAT IV, 1000 V CAT III, 10 A rating. UL listed



### TL222 SureGrip™ Silicone Test Lead Set

- DMM test leads (red, black) with safety shrouded, standard diameter banana plugs
- Right angle connector on both ends
- Reinforced strain relief
- 1.5 meter silicone-insulated wire resists heat & cold
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



### TL224 SureGrip™ Silicone Test Lead Set

- DMM test leads (red, black) with safety shrouded, standard diameter banana plugs
- Right angle connector on one end and straight connector on the other
- Reinforced strain relief
- 1.5 meter silicone-insulated wire resists heat & cold
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



### TL27 Heavy Duty Test Lead Set

- DMM test leads (red, black) with safety shrouded, standard diameter banana plugs
- Heavy duty EPDM insulation
- Length 1.5 m
- CAT III 1000 V, 10 A rating. UL listed



## Kits

### TL220 SureGrip™ Industrial Test Lead Kit

- AC220 SureGrip™ Alligator Clip Set
- TP220 SureGrip™ Test Probe Set
- TL222 SureGrip™ Silicone Test Lead Set (right to right)



### TL223 SureGrip™ Electrical Test Lead Kit

- AC220 SureGrip™ Alligator Clip Set
- TP1 Slim-Reach™ Test Probes (flat bladed)
- TL224 SureGrip™ Silicone Test Lead Set (straight to right)



### TL238 SureGrip™ High Energy Test Lead Kit

- TP238 SureGrip™ Insulated Tip Test Probes with less than 4 mm of exposed metal (GS38) with flexible removable finger banner
- TP280 20 cm Test Probe Extenders
- TL224 SureGrip™ Silicone Test Lead Set



### TLK-220 EUR SureGrip™ Accessory Kit

- AC220 SureGrip™ Alligator Clip Set
- AC285 SureGrip™ Large Jaw Alligator Clip Set
- TP74 Slim Reach Test Probe Set (4 mm)
- TL224 SureGrip™ Silicone Test Lead Set
- Large zippered soft case with moveable divider



### TLK-225 SureGrip™ Master Accessory Kit

- AC220 SureGrip™ Alligator Clip Set
- AC280 SureGrip™ Hook Clip Set
- AC283 SureGrip™ Pincer Clip Set
- AC285 SureGrip™ Large Jaw Alligator Clip Set
- TP220 SureGrip™ Test Probe Set
- TL224 SureGrip™ Silicone Test Lead Set
- 6-Pocket Storage Pouch



### TLK289 EUR Industrial Master Test Lead Kit

- C116, Soft Case
- AC220 Alligator Clip Set
- AC280 Hook Clip Set
- AC285 Large Jaw Alligator Clip Set
- TP74 Lantern Tip Test Probe Set
- TL224 Test Lead Set
- TPAK Hanging Kit
- 80BK-A Temperature Thermocouple





# Industrial Test Leads, Probes & Clips

FLUKE®

## Kits

### ACC-T5-KIT Accessory Kit for use with T5

This kit completes the offering of a T5 with add-on probes and carrying case.

- TP220 SureGrip™ Test Probe Set
- AC285 SureGrip™ Large Jaw Alligator Clip Set
- C33 Soft Meter Case



### L215 SureGrip™ Kit with Probe Light and Extender

- L200 Probe Light
- TP280 20 cm Test Probe Extenders
- TP220 SureGrip Test Probes
- TL224 SureGrip Silicon Test Lead Set
- Foldable soft pouch with six pockets and hook-and-loop



## Modular Test Probes

(for use with Modular Test Leads)

### TP220 SureGrip™ Test Probe Set

- One pair (red, black) of Industrial test probes
- Sharp, 12 mm stainless steel tip provides reliable contact
- Flexible finger barrier improves grip
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V; CAT III 1000 V, 10 A rating. UL listed



### TP74 Lantern Tip Test Probe Set

- One pair (red, black)
- Tips include banana-style spring contacts with nickel-plated brass ends
- CAT III 1000 V, 10 A rating. UL listed



### TLK290 Test Probe Kit

- Kit includes three flexible socket probes and a large alligator clip
- To be used on three phase sockets.
- Probes have flexible width test points that fit securely in 4 to 8 mm sockets.
- CAT III 1000 V, 8 A

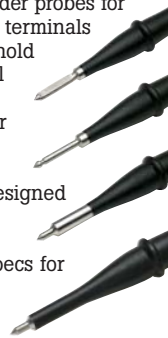


## Modular Test Probes

(for use with Modular Test Leads)

### TP1, TP2, TP4, TP38 SlimReach Test Probe Sets

- One pair (red, black) of slender probes for closely spaced or recessed terminals
- **TP1:** Flat blade design to hold securely in blade type wall sockets
- **TP2:** 2 mm diameter tip for electronics work. Also compatible with AC72.
- **TP4:** 4 mm diameter tip designed to fit into IEC wall outlets
- **TP38:** Insulated probe tip (designed to meet GS38 specs for United Kingdom).
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



### TP80 Electronic Test Probe Set

- Recommended for use with TL222 and TL224
- One pair (red, black)
  - IC insulated cap prevents shortening of IC legs for probing high density components or boards
  - CAT III 1000 V, 10 A rating. UL listed



## Modular Clips

(for use with Modular Test Leads)

### AC220 SureGrip™ Alligator Clip Set

- One pair (red, black) of small, insulated, nickel plated jaws
- Blunt tip grabs round screw heads up to 9.5 mm
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



### AC280 SureGrip™ Hook Clip Set

- One pair (red, black) of nickel plated clips
- Profile narrows to 5.6 mm at tip, hook opening 6.4 mm at front, 2 mm at base
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V, CAT III 1000 V, 3 A rating. UL listed



### AC283 SureGrip™ Pincer Clip Set

- One pair (red, black) of nickel plated pincers open to 5 mm
- 11.4 cm flexible insulated shaft
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V, CAT III 1000 V, 1 A rating. UL listed



## Modular Clips

(for use with Modular Test Leads)

### AC285 SureGrip™ Large Jaw Alligator Clip Set

- One pair (red, black) of large alligator clips with nickel-plated steel jaws
- Multi-purpose tooth pattern grips anything from fine gauge wire to a 20 mm bolt
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V; CAT III 1000 V, 10 A rating. UL listed



### AC87 Heavy Duty Bus Bar Clip Set

- One pair (red, black) of flat, right angle design for connecting to bus bars
- Adjustable collar provides 2 ranges of jaw openings up to 30 mm
- CAT III 600 V, 5 A rating. UL listed



### AC89 Heavy Duty Insulation Piercing Test Clip

- Single probe pierces 0.25 to 1.5 mm insulated wire
- Small pin allows self-healing of the insulation
- CAT IV 600V, CAT III 1000 V, 5 A rating. UL listed



### TLK291 Fused Test Probe Set

- One pair (red, black) fused test probes
- Designed to meet GS38 specs for United Kingdom
- CAT III 1000V, 0.5A
- Fuse rating: 500 mA/1000 V/FF/50 kA



## Push-on Clip

(for use with TL71 and TL75 Test Lead Sets)

### AC72 Alligator Clip Set

- Slide-on alligator clips (red, black) for TL71/TL75
- Jaws provide 8 mm opening
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



All accessories have a one year warranty

# Current Clamps



**i5s**



**i50s**



**i200**



**i200s**



**i400**



**i400s**

## Specifications AC models

	<b>i5s</b>	<b>i50s</b>	<b>i200</b>	<b>i200s</b>	<b>i400</b>	<b>i400s</b>
Nominal current range(s)	5 A	3/30 AC RMS or DC	200 A	20 A 200 A	400 A	40 A 400 A
Continuous AC current range	0.01 A - 6 A	30 A cont. 50 A <10 sec	0.5 A - 200 A	0.1 - 24 A 0.5 A - 200 A	5 A - 400 A	0.5 - 40 A 5 A - 400 A
Highest current	70 A	30 A cont. 50 A <10 sec	240 A	240 A	1000 A	1000 A
Lowest measurable current	10 mA	10 mA	0.5 A	0.5 A	1 A	0.5 A
Basic accuracy (48-65 Hz) <sup>1)</sup>	1%	± 0.5 % typical DC to 100 kHz	1% + 0.5 A	1.5% + 0.5 A	2% + 0.15	2% + 0.15
Useable frequency	40 Hz - 5 kHz	Dc to 50 MHz	40 Hz - 10 kHz	40 Hz - 10 kHz	45 Hz - 3 kHz	45 Hz - 3 kHz
Max. working voltage	600 V AC	300 V AC RMS or DC	600 V AC	600 V AC	1000 V	1000 V
Maximum conductor diameter	15 mm	5 mm	20 mm	20 mm	32 mm	32 mm
Output level(s)	400 mV/A	1/100 mV/A	1 mA/A	100 mV/A 10 mV/A	1 mA/A	10 mV/A 1 mV/A
Battery, battery life		External Power				
Output cable (m)	2.5	2 m	1.5	2.0	1.5	2.5
Shrouded banana plugs			●		●	
BNC connector	●	●		●		●
BNC to banana adapter included				●		
Safety	CAT III, 600 V	CAT I 300 V	CAT III, 600 V	CAT III, 600 V	CAT III 1000 V / CAT IV 600 V	CAT III 1000 V / CAT IV 600 V

<sup>1)</sup> Basic Accuracy: % reading + floorspec



**i800**



**i1000s**



**i2000 flex**



**i3000s flex**



**i3000s**



**i6000s**

	<b>i800</b>	<b>i1000s</b>	<b>i2000 flex</b>	<b>i3000s flex-24</b> <b>i3000s flex-36</b>	<b>i3000s</b>	<b>i6000s flex-24</b> <b>i6000s flex-36</b>
Nominal current range(s)	800 A RMS	10 A 100 A 1000 A	20 A 200 A 2000 A	30 A 300 A 3000 A	30 A 300 A 3000 A	60 A 600 A 6000 A AC
Continuous AC current range	0.1 A - 800 A RMS	0.1 A - 10 A 0.1 A - 100 A 1 A - 1000 A	1 A - 20 A 2 A - 200 A AC RMS 30 A - 2000 A	1 A - 30 A 2 A - 300 A AC RMS 30 A - 3000 A	1 A - 30 A 1 A - 300 A 1 A - 2400 A	1 A - 6000 A AC RMS
Highest current	1500 A	2000 A	2500 A AC RMS	3500 A AC RMS	4000 A	6000 A
Lowest measurable current	0.1 A	0.1 A	1 A	1 A	1 A	1 A
Basic accuracy (48-65 Hz) <sup>1)</sup>	0.10%	1% + 1 A	1%	1%	2% + 2 A	± 1% of range
Useable frequency	30 Hz - 10 kHz	5 Hz - 100 kHz	10 Hz - 20 kHz (-3dB)	10 Hz - 50 kHz (-3dB)	10 Hz - 100 kHz	10 Hz to 50 kHz
Max. working voltage	600 V AC RMS or DC	600 V AC	600 V AC RMS	600 V AC RMS	600 V AC	600 V AC RMS or DC
Maximum conductor diameter	54 mm	54 mm	178 mm	Flex-24 178 mm Flex-36 275 mm	64 mm	Flex-24 170 mm Flex-36 275 mm
Output level(s)	1 mA/A	100 mV/A 10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A	10 mV/A 1 mV/A 0.1 mV/A	50 mV/A 5 mV/A 0.5 mV/A
Battery, battery life			200 hours	400 hours		400 hours
Output cable (m)	1.6 m	1.6	0.5	0.5	2.1	0.5 m
Shrouded banana plugs	●		●	n/a		
BNC connector		●	n/a	●	●	●
BNC to banana adapter included			n/a	●	●	●
Safety	CAT III 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V	CAT III, 600 V

<sup>1)</sup> Basic Accuracy: % reading + floorspec

# Current Clamps



## Specifications AC/DC Models

	80i-110s	i30	i30s	i310s	i410	i1010
Measurement type	Hall sensor	Hall sensor	Hall sensor	AC/DC	Hall sensor	Hall sensor
Nominal current range(s)	10 A, AC/DC 100 A, AC/DC	20 A AC RMS or DC	20 A AC RMS or DC	30/300 A AC RMS or 45/450 A DC	400 A, AC/DC	600 A, AC 1000 A, DC
Continuous current range	0.1A – 10 A AC/DC 1 A – 100 A AC/DC	30 A AC Peak	30 A AC Peak	100 mA – 300 A AC RMS or 450 A DC	1 A – 400 A AC/DC	1 A – 600 A, AC 1 A – 1000 A, DC
Highest current	140 A – 2 kHz	30 A AC Peak	30 A AC Peak	300 A AC RMS or 450 A DC	400 A	1000 A
Lowest measurable current	0.1 A	50 mA	50 mA	100 mA	0.5 A	0.5 A
Basic accuracy <sup>1)</sup>	3% + 50 mA (@ 10 A)	± 1% of reading ± 2mA	± 1% of reading ± 2mA	± 1% of reading	3.5% + 0.5 A	2% + 0.5 A
Useable frequency	DC – 100 kHz	DC to 20 kHz (-0.5dB)	DC to 100 kHz (-0.5dB)	DC to 20 kHz	DC – 3 kHz	DC – 10 kHz
Zero error adjustment	●	manual adjust via thumbwheel	manual adjust via thumbwheel	Manual	●	●
Max. working voltage	600 V	300 V AC RMS	300 V AC RMS	300 V AC RMS or DC	600 V	600 V
Maximum conductor diameter	11.8 mm	19 mm	19 mm	19 mm	30 mm 2 x 25 mm	30 mm 2 x 25 mm
Output level(s)	100 mV/A 10 mV/A	100 mV/A	100 mV/A	10/1 mV/A	1 mV/A	1 mV/A
Battery, battery life	9 V, 55 h	30 hours typical	30 hours typical	30 hours	9 V, 60 h	9 V, 60 h
Output cable length (m)	1.6	1.5	2	2 m	1.6	1.6
Shrouded banana Plugs	●	●	n/a	●	●	●
BNC connector	●	n/a	●	●		
BNC to banana adapter included	●	n/a	●	●		
Safety	CAT II, 600 V CAT III, 300 V	CAT III, 300 V	CAT III, 300 V	CAT III 300 V	CAT III, 600 V	CAT III, 600 V

<sup>1)</sup> Basic Accuracy: % reading + floorspec

## Current Clamp Compatibility Chart



**i410 Kit AC/DC Current Clamp (400A) with soft case**  
**i1010 Kit AC/DC Current Clamp (1000A) with soft case**

- Combination of current clamp with carrying case
- Zippered soft case with moveable divider
- Soft case is large enough to hold a meter

	114/115/116/117	175/177/179	187/189	287/289	27	8845A/8846	8808A	77 IV	83V/87V	88V	43B	430 Series	123/124	125	190 Series	1577 / 1587	715	724	725	741B/743B/744	787	789	
<b>AC Models</b>																							
i5s																							
i200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
i200s	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
i400																							
i400s	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
i430 Flex																							
i800	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
i1000s	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
i2000flex (new version)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
i3000s	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
i3000flex	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
i6000s	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>AC/DC Models</b>																							
i30	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
i30s	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
80i-110s	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
i310s																							
i410 / i410 kit	●	●	●	●	●	●	●	●	●	●	●	●	3	3	3	●	1	1	1	1	●	●	
i1010 / i1010 kit	●	●	●	●	●	●	●	●	●	●	●	●	3	3	3	●	1	1	1	1	●	●	
<b>Other</b>																							
90i-610s*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

\* For specifications of 90i-610s see page 108

1 For DC only

2 Requires PM 9081 (see page 69)

3 Requires PM 9082 (see page 69)

All accessories have a one year warranty

# Temperature Accessories

## Contact Probes

### 80PK-22 SureGrip™ Immersion Probe

- Type-K thermocouple for use in liquids and gels
- Measurement range: -40 to 1090°C
- Probe length: 21.3 cm



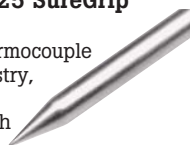
### 80PK-24 SureGrip™ Air Probe

- Type-K thermocouple for use in air and non-caustic gas measurements
- Bead protected by perforated baffle
- Measurement range: -40 to 816°C
- Probe length: 21.6 cm



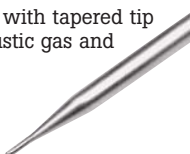
### 80PK-25 and 80PT-25 SureGrip™ Piercing Probe

- 80PK-25: Type-K thermocouple suitable for food industry, liquids and gels
- 80PT-25 operates with T-type thermometers
- Measurement range: 80PK-25: -40 to 350°C 80PT-25: -196 to 350°C
- Probe length: 10.2 cm



### 80PK-26 SureGrip™ General Purpose Probe

- Type-K thermocouple with tapered tip for use in air, non-caustic gas and surface applications
- Measurement range: -40 to 816°C
- Probe length: 21.2 cm



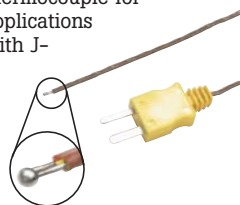
### 80PK-27 SureGrip™ Industrial Surface Probe

- Type-K thermocouple for surfaces in rugged environment
- Durable ribbon sensor
- Measurement range: -127 to 600°C
- Probe length: 20.3 cm



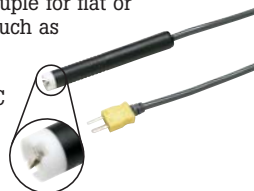
### 80PK-1 and 80PJ-1 Bead Probe

- 80PK-1: Type-K thermocouple for general purpose applications
- 80PJ-1 operates with J-type thermometers
- Measurement range: -40 to 260°C
- Probe length: 1 m lead wire



### 80PK-3A Surface Probe

- Type-K thermocouple for flat or curved surfaces such as plates and rollers
- Measurement range: 0 to 260°C
- Probe length: 9.5 cm



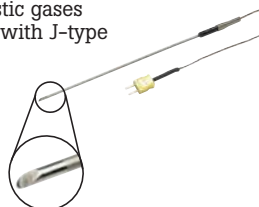
### 80PK-8 Pipe Clamp Temperature Probe

- Type-K thermocouple for fast temperature and superheat measurements of pipe surfaces
- Durable ribbon sensor
- Measurement range: -29 to 149°C for pipe diameters from 6.4 to 34.9mm



### 80PK-9 and 80PJ-9 General Purpose Probe

- 80PK-9: Type-K thermocouple surface, air and non-caustic gases
- 80PJ-9 operates with J-type thermometers
- Measurement range: -40°C to 260°C
- Probe length: 15.3 cm



### 80PK-11 Velcro Temperature Probe

- Type-K thermocouple for hands free measurement of HVAC temperature measuring applications
- Total length of cable: 1m (0.5m in cable, 0.5m in Velcro cuff insulation material; Hytrel)
- Measurement range: -30°C to 105°C



## DMM Probes

### 80AK-A Thermocouple Adapter

- Adapts Type-K thermocouple mini-connector to dual banana plug inputs
- Measurement range and accuracy: probe dependent
- Suitable for low voltage applications (below 30 V AC, 60 V DC)



### 80BK-A Integrated DMM Probe

- Type-K thermocouple with standard banana jack
- Convenient one piece construction
- Compatible with DMMs with temperature measurement functions
- Measurement range: -40 to 260°C



### 80TK Thermocouple Module

- Converts a DMM to a thermometer
- For use with type-K thermocouples in low voltage applications (below 24 V AC, 60 V DC)
- Measurement range: -50 to 1000°C (probe dependent)



### 80T-150U Universal Temperature Probe

- Compatible with Fluke DMM
- High accuracy, fast reading for low voltage (below 24 V AC, 60 V DC) applications
- Measurement range: -50 to 150°C
- Output: 1 mV/°C or 1 mV/°F (switchable)





**SureGrip™ accessories are designed to improve steadiness in slippery hands. Rubber overmolded surfaces and finger-hugging curves give the user a comfortable, reliable grip on the accessory so they can focus on making an accurate measurement.**

# Temperature Accessories

## Other Temperature Accessories

### 80PR-60 RTD Temperature Probe

- For simultaneously taking contact and non-contact temperature measurements with Fluke 66 or 68
- Measurement range: -40 to 260°C



### 80CK-M & 80CJ-M type K & J Male Mini-Connectors

- Isothermal screw terminal for K or J wire
- Suitable for up to 20 guage thermocouple wire
- Color coded to industry standards (K-yellow, J-black)
- Two per package



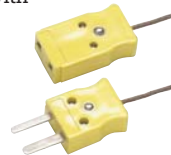
### Thermocouple Plug Kits 700TC1

- A kit of 10 mini-plug connectors
- Type J (black), one
  - Type K (yellow), one
  - Type T (blue), one
  - Type E (purple), one
  - Type R/S (green), one
  - Type B or CU (white), one
  - Type L (J-DIN) (blue), one
  - Type U (T-DIN) (brown), one
  - Type C (red), one
  - Type N (orange), one



### 80PK-EXT, 80PJ-EXT and 80PT-EXT Extension Wire Kits

- Extending and repairing J, K or T-type thermocouple wires
- Kit includes 3 meters of thermocouple wire and 1 pair of male/female mini-connectors
- Maximum continuous exposure temperature: 260°C
- 80PK-EXT is compatible with K-type thermometers, 80PJ-EXT is designed for J-type thermometers and 80PT-EXT for T-type thermometers



### 700TC2

- A kit of 7 mini-plug connectors
- Type J (black), two
  - Type K (yellow), two
  - Type E (purple), one
  - Type T (blue), one
  - Type R/S (green), one



## Temperature Probe Compatibility Chart

	114/115/116/117	175/177	179	287/289	27	8845A/8846A/8808A	77IV	83V	87V	88V	43B	120 Series	190 Series	1577	1587	51/52/53/54 II	561	566/568	66/68	705/707	714	715	724	725	741B/743B/744	787	789
<b>Contact Probes</b>																											
80PK-1 ... 80PK-27	1	1	2	2	1	1	1	1	2	2	1	1	1	1	2	●	●	●		1	●	1	●	●	●	1	1
80PJ-1, 80PJ-9																●					●		●	●	●		
80PT-25	1															●					●		●	●	●		
<b>DMM probes</b>																											
80AK-A	● <sup>3)</sup>		●	●					●	●					●												
80BK-A	● <sup>3)</sup>		●	●					●	●					●												
80TK		●			●	●	●	●			●	●	●	●						●		●			●	●	●
80T-150U		●	●	●	●	●	●	●			●	●	●	●						●		●			●	●	●
<b>Miscellaneous</b>																											
80CK-M	1	1	2	2	1	1	1	1	2	2	1	1	1	1	2	●	●	●		1	●	1	●	●	●	1	1
80CJ-M																●					●		●	●	●		
80PK-EXT <sup>4)</sup>	1	1	2	2	1	1	1	1	2	2	1	1	1	1	2	●	●	●		1	●	1	●	●	●	1	1
80PJ-EXT																●					●		●	●	●		
80PT-EXT																●					●		●	●	●		
700TC1, 700TC2																●					●		●	●	●		
80PR-60																			●								

1) Requires 80TK  
 2) Requires 80AK  
 3) Fluke 116 only  
 4) Also requires 80CK-M

All accessories have a one year warranty



# Cases and Holsters

## Soft Cases

Zippered carrying cases protect your meter; most cases come with belt loops so your meter is stored conveniently on your tool belt.



### C195

- Zippered carrying case with storage compartments
- Allows hand or shoulder use



### C789

- Large fabric carrying case with 3 compartments, removable handle and shoulder strap



### C550 Tool Bag

- Steel reinforced frame
- Rugged ballistic cloth with heavy duty hardware
- Large zippered storage compartment with 25 pockets
- Weather resistant
- Carry all your tools to the job



## Cases & Holsters Compatibility Chart

		114/115/116/117	175/177/179	187/189	287/289	27	71 IV	83V / 87V / 88V	T5	T50	T100 Series	321/322	333/334/335/336/337/902	353/355	1503/1507/1577/1587	9040/9062	1735/1740 Series	430 Series	43B/120 Series	190 Series	922	971	51/52/53/54 II	561	566/568	570 Series	61	63/66/68	705 / 707	712/714/715/717	718	724/725/726	741B/743B/744	787	789																		
<b>Soft Cases</b>																																																					
C12A	172 x 128 x 38	•																																																			
C23	225 x 95 x 58	•																																																			
C25	218 x 128 x 64	•	•	•																																																	
C33	280 x 115 x 55																																																				
C35	220 x 140 x 65	•	•																																																		
C43	318 x 230 x 90																																																				
C50	192 x 90 x 38																																																				
C75	179 x 103 x 26	For multiple test leads and accessories																																																			
C90	205 x 90 x 72																																																				
C115	240 x 205 x 75	•	•																																																		
C116	240 x 230 x 65	•	•																																																		
C125	192 x 141 x 58																																																				
C195	231 x 513 x 231																																																				
C550	333 x 513 x 231	For multiple meters, test leads and accessories																																																			
C570	240 x 160 x 61																																																				
C781	269 x 141 x 90																																																				
C789	308 x 256 x 77																																																				
<b>Hard Cases</b>																																																					
C20	256 x 154 x 106																																																				
C100	397 x 346 x 122																																																				
C101	305 x 360 x 105																																																				
C120	346 x 397 x 128																																																				
C190	410 x 474 x 135																																																				
C435	565 x 476 x 305																																																				
C800	230 x 385 x 115																																																				
C1600	260 x 390 x 200	For multiple meters, accessories and other tools																																																			
<b>Leather Cases</b>																																																					
C510	287 x 179 x 106																																																				
C520A	256 x 154 x 106																																																				
<b>Holsters</b>																																																					
C10	154 x 77 x 45																																																				
H80M	190 x 95 x 43																																																				
<b>Other</b>																																																					
H3	231 x 90 x 64																																																				
H5	192 x 90 x 38																																																				
H6	302 x 178 x 57																																																				
<b>Hanging and Locking Kits (see page 109)</b>																																																					
ToolPak		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																
LockPak																																																					

# Cases and Holsters

## Hard Cases

### C20 Meter Case

- Heavy duty case with carrying handle and accessories storage compartment
- Top cover snaps onto back to serve as tilt stand



### C100 Meter and Accessory Case

- Tough polypropylene case



### C101 Hard Case

The hard case that fits all Fluke industrial test tools. Configure the diced foam interior to store and protect what you need to carry with you.

- Tough polypropylene exterior shell
- Interior cavity measures



### C120 and C190 Cases

- Heavy duty cases with accessory storage compartments



### C435 Hard Rolling Case

- Water-tight hard case with rollers for 430 Series, 1735 and 1740 Series Power Quality products and accessories. The configurable foam securely holds any of these instruments during transit.



### C800 Meter and Accessory Case

- Tough polypropylene case
- Accessories and manual compartments
- Detachable lid



### C1600 Meter and Accessories Case

- Rugged molded plastic case
- Deep interior large enough to hold and protect your tools
- Lift out tray keeps everything organized
- Snap open compartment on top of lid



## Holsters

### C10 Meter Holster

- Snap-on yellow holster absorbs shocks and protects meter from rough handling
- Includes built-in stand and hanger loop



### C70Y Meter Holster

- Snap-on holster absorbs shocks and protects meter from rough handling.
- Flex Stand™ allows meter to hand, lean or stand for convenience and best viewing
- Built-in probe and lead storage



### H80M Holster + Magnetic Hanger

- Snap-on yellow holster absorbs shocks and protects meter from rough handling
- Magnet, hook and loop straps
- General purpose hanger



### H3 Clamp Meter Holster

- Fabric holster absorbs shocks and protects meter from rough handling.
- Built-in pocket for lead storage
- Convenient belt-loop with snap



### H5 Electrical Tester Holster

- Rugged fabric holster includes flap for lead storage and built-in belt loop
- Fits Fluke T3 and T5 testers



### H6 Infrared Thermometer Holster

- Durable nylon holster
- For Fluke 63, 66 and 68 Infrared Thermometers



## Leather Cases

### C510 Leather Meter Case

- Oiled genuine top grain cowhide
- Rugged construction with heavy duty stitching and reinforced rivets
- Large tool belt loop and top flap to secure meter
- Holds most Fluke DMMs, Thermometers, and Process Calibrators



### C520A Leather Tester Case

- Oiled genuine top grain cowhide
- Oil tanned for long life
- Rugged construction with heavy duty stitching and reinforced rivets
- Large tool belt loop and top flap to secure tester
- Holds Fluke Electrical Testers



All accessories have a one year warranty

# Automotive Accessories

## Piercing Clips

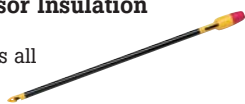
### TP81 and TP82 Insulation Piercing Clip Set

- Banana jack accepts all DMM and banana jack leads
- Available for 4 mm input, modular connection with TP81 or available as a 2 mm input to slip onto probe tips with the TP82
- Tested to 60 V DC



### TP84 Oxygen Sensor Insulation Piercing Clip

- Banana jack accepts all DMM and banana jack leads (4 mm)
- Tested to 60 V DC



## Probe Pins

### TP88 Rigid Back Probe Pin Set

- Slides onto test probes measuring 2 mm
- Tested to 60 V DC



### TP40 Automotive Back Probe Pins (five)

- Banana jack accepts all DMM and banana jack leads (4 mm)
- Tested to 60 V DC



## Banana Plugs

### BP880 BNC to Female Double Stacking Banana Plug



- Allows for hands-free testing in controlled voltage environments 500 VRMS maximum

- Banana plug is nickel-plated, beryllium copper for low contact resistance
- The BNC shell is plated for tarnish resistance
- Operating temperature +50°C maximum



## Pressure Module

### PV350 Pressure Vacuum Module

- Compatible with all Fluke and most popular DMMs
- Digital pressure and vacuum measurements in a single module
- Transducer sealed in 316 stainless steel compatible with variety of liquids and gases
- Measures vacuum to 76 cm Hg
- Display results in English (psig or Hg) or metric (kPa or cm Hg) units
- Measures pressure to 500 psig (3447 kPa)



## Test Leads

### TL28A Automotive Test Lead Set

- Flexible silicone insulated leads are heat and cold resistant
- Cat I 30 V, 10 A



### TLK281 SureGrip™ Automotive Test Lead Kit

- TP81 Insulation Piercing Clip Set
- TL224 Suregrip™ Silicone Test Lead Set
- TP220 Suregrip™ Test Probe Set
- AC220 Suregrip™ Alligator Clip Set
- AC285 Suregrip™ Large Jaw Alligator Clip Set
- Soft Case



### TLK282 SureGrip™ Deluxe Automotive Test Lead Kit

- TP81 Insulation Piercing Clip Set
- TP40 Automotive Back Probe Pins (five)
- TL224 Suregrip™ Silicone Test Lead Set
- TP220 Suregrip™ Test Probe Set
- AC220 Suregrip™ Alligator Clip Set
- AC285 Suregrip™ Large Jaw Alligator Clip Set
- AC280 Suregrip™ Hook Clip Set
- Soft Case



### TL 82 Automotive Pin & Socket Adapter Kit

This set of male and female adapters allows you to make firm connection to pin and socket connectors.

Kit contains:

- Retractable shrouded test lead set
- Complete set of 8 pin-and-socket adapters with flexible tips
- One red and black in different sizes
- Rated to 60 V DC



## Current Probe

### 90i-610s AC/DC Current Probe (600 A)

- Current Range: 2 to 600A DC or AC Peak
- Basic Accuracy (DC to 400Hz): ± (2% of reading + 1A)
- Output Signal: 100A range: 10mV/A 600A range: 1mV/A
- Frequency Range: 40Hz to 400Hz
- Working Voltage: 600V AC rms
- Maximum Conductor Diameter: 34 mm



## Inductive Pick-up

### RPM80 Inductive Pick-up

- Provides RPM readings



## ScopeMeter Accessory Kits

### SCC128 Automotive Accessory Kit (120 Series)



### SCC198 Automotive Accessory Kit (190 Series)



These kits provide a host of accessories that allow you to easily and quickly make measurements on automotive electronic systems using a 120 or 190 Series ScopeMeter.

# Software and other Accessories

FLUKE®

## Software FlukeView® Forms

FlukeView Forms increases the power of your Fluke tool by enabling you to document, store and analyze individual readings or series of measurements, then convert them into professional-looking documents. FlukeView Forms supports the following multimeters:



### FlukeView Forms Compatibility Chart

FVF Option	Instrument	Cable**	Application Level
FVF-UG	Software only upgrade, Fluke 568, 975, 983	No Cable included	FVF Full (includes Designer)
FVF-SC1	Fluke 53-II, 54-II, 87-IV*, 89-IV*	Serial / IRDA	
FVF-SC2	Fluke 280 Series, 789, 1550B, 1653, 180 Series*	USB / IR	
FVF-SC4	Fluke 8808A, 8845A, 8846A, 45*	USB / Serial	
FVF-BASIC	Fluke 280 Series, 789, 1550B, 1653, 180 Series*	USB / IR	FVF BASIC
FVF-SC5	8808A, 8845A, 8846A, 45*	USB / Serial	

\* Obsolete

\*\* USB cables are not supported for Microsoft Windows NT 4.0

### IR189USB

IR to USB interface cable (included with FVF-SC2 and FVF-Basic)

- For customers who want to upgrade from their existing RS232 cable
- Small adapter to connect the cable to the 189, 287, 289, 1653 or the 1550B is included.
- CD-Rom with drivers for use with older versions of FVF-SC1 included.



## Make extended logging easier

### BP189 High Capacity Battery Enclosure

(for Fluke 180 Series DMM)

- Expand the battery life of your Fluke 187/189 up to 450 hours (over two weeks of continuous use).
  - Houses 4 'C' cell batteries.
  - CAT III 1000 V, CAT IV 600 V
- Batteries and meter sold separately



## Hanging & Locking Kits

### ToolPak (TPAK)

The meter hanging solution

- Kit includes, universal hanger clips (2), hook & loop straps (2 lengths) and strong magnet
- Combine components to meet most hanging needs

See page 106 for compatibility chart



### LockPak (LPAK)

The meter locking solution

- Kit includes a locking accessory
- Accepts most common locks (not included)

See page 106 for compatibility chart



## Fiber Optics

### FOM Fiber Optic Meter

The Fluke Fiber Optic Meter (FOM) helps you test and maintain fiber optic cables without having to buy a whole new meter. Plug the FOM directly into any DMM with a mV dc function and a 10 MK input impedance and quickly and accurately verify fiber optic cable system loss. Light sources and patch cords sold separately.



### FOS 850 & FOS 850/1300 Fiber Optic Light Sources

A variety of light sources allow you to test different cable lengths.

Available from: Thurlby Thandar Instruments Ltd. Glebe Road, Huntingdon, Cambs. PE29 7DR U.K. Tel: 01480 412451 e-mail: sales@tti.co.uk  
Web: www.tti.co.uk



All accessories have a one year warranty