

Left to right: AC283, AC280, TP175, AC285, AC220, and TL224

Clips and probes compatibility chart

Model number	TL71	TL75	TL76	TL221	TL222	TL224	TL910
AC175	•	•	•				
AC87				•	•	•	
AC89				•	•	•	
AC220				•	•	•	
AC280				•	•	•	
AC283				•	•	•	
AC285				•	•	•	
AC288				•	•	•	
FTP-1				•	•	•	
TLK290				•	•	•	
TLK291				•	•	•	
TP1				•	•	•	
TP2				•	•	•	
TP4				•	•	•	
TP38				•	•	•	
TP74				•	•	•	
TP80				•	•	•	
TP175				•	•	•	
TP220				•	•	•	
TP912							•
TP920	•	•					
T5 Starter Kit	(compatible with T5/T+/T+Pro/330 Series Clamp Meters)						
TP165X	(compatible with 1503/1507/1577/1587)						

Did you know?

Because they are an integral part of the complete measurement system, worn or under-rated test leads can cause inaccurate readings and pose a serious shock or electrocution hazard if live wires are read as being de-energized.

To avoid these risks, use these precautions:

- Use the correct test probe for the application. Confirm that your meter and test accessory safety ratings meet or exceed the voltage level you plan to test. See the “Electrical measurement category ratings for test tools” chart on page 11 of this catalog for more information.
- Inspect your test leads before use to ensure the insulation is not nicked or cracked from age. Typically, you should plan on replacing your test leads every 18 months.
- Ensure there are no gaps or cracks at the junction between the insulated wire and banana plugs or probes at each end of the lead.
- Conduct a simple ohms measurement to confirm that your tools are electrically reliable and carry a signal within allowable loss parameters.



Modular test probes (for use with modular test leads)

Using modular test leads, this wide variety of test probes allows the configuration of leads for a wide variety of needs, whether industrial, electrical, or electronic.



TP175

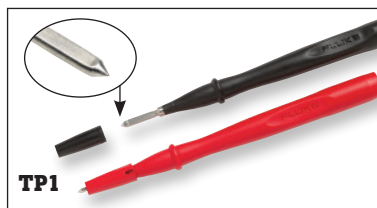
TP175 TwistGuard™ Test Probes

- Modular test probes of the popular TL175 Test Leads (page 6)
- Patented extendable tip guard meets CAT III 1000 V, CAT IV 600 V requirements while providing the flexibility you need for CAT II measurements
- 2 mm (0.08 in) diameter stainless steel probe tips

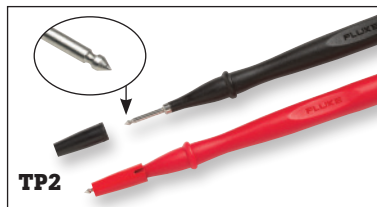
TP220 SureGrip™ Industrial Test Probes

One pair (red, black) industrial test probes with stainless steel tip.

- Sharp, 12 mm (0.47 in) tips
- Safety rating: CAT II 1000 V (CAT III 1000 V, CAT IV 600 V with protective cap), 10 A



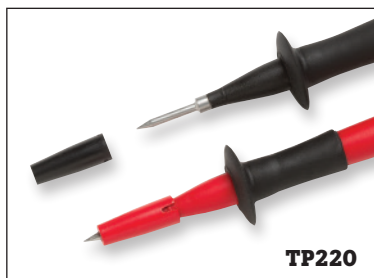
TP1



TP2



TP4



TP220

TP1 Slim Reach™ Test Probes

One pair (red, black) slender probes with flat stainless steel blade to hold securely in blade-type electrical wall sockets.

- Tip length up to 14.7 mm (0.58 in)
- Safety rating: CAT II 1000 V, 10 A (CAT III 1000 V, CAT IV 600 V with protective cap)

TP2 Slim Reach™ Test Probes

One pair (red, black) slender stainless steel probes for accessing closely-spaced or recessed terminals such as in electronic environments.

- 2 mm (0.08 in) diameter tip
- Safety rating: CAT II 1000 V, 10 A (CAT III 1000 V, CAT IV 600 V with protective cap)

TP4 Slim Reach™ Test Probes

One pair (red, black) slender stainless steel probes for accessing closely-spaced or recessed electrical terminals.

- 4 mm (0.16 in) diameter probe tip designed to fit securely into IEC (C13 and C14) electrical wall outlets
- Safety rating: CAT II 1000 V, 10 A



TP74



TP38

TP80 Electronic Test Probes

One pair (red, black) electronics test probes.

- IC-insulated cap prevents shortening of IC legs for probing high density components or boards
- Tip length up to 3.9 mm (0.157 in)
- Tip diameter: 1 mm (0.04 in)
- Safety rating: CAT III 1000 V, 1 A

TP74 Lantern Tip Test Probes

One pair (red, black) featuring nickel-plated brass ends.

- Banana-style 4 mm (0.16 in) spring contacts
- Safety rating: CAT II 1000 V, 10 A (CAT III 1000 V, CAT IV 600 V with protective cap)

TP38 Slim Reach™ Test Probes

One pair (red, black) slender stainless steel probes for accessing closely-spaced or recessed terminals.

- Tip length: 24 mm (0.95 in) which includes the insulated part of the tip
- Probe tip insulated to 4 mm (0.16 in) from the end
- Safety rating: CAT IV 600 V, CAT III 1000 V, 10 A



TP80

Clips and probes compatibility chart

Model number	TL27	TL80A	TL81A	TL220	TL223	TL225	TL238	TLK-220	TLK-225	TLK287	TLK289
AC175		•	•								
AC87	•		•	•	•	•	•	•	•	•	•
AC89	•		•	•	•	•	•	•	•	•	•
AC220	•		•	•	•	•	•	•	•	•	•
AC280	•		•	•	•	•	•	•	•	•	•
AC283	•		•	•	•	•	•	•	•	•	•
AC285	•		•	•	•	•	•	•	•	•	•
FTP-1	•		•	•	•	•	•	•	•	•	•
TLK290			•	•	•	•	•	•	•	•	•
TLK291			•	•	•	•	•	•	•	•	•
TP1	•		•	•		•	•	•	•	•	•
TP2	•		•	•	•	•	•	•	•	•	•
TP4	•		•	•	•	•	•	•	•	•	•
TP38	•		•	•	•	•	•	•	•	•	•
TP74	•		•	•	•	•	•	•	•	•	•
TP80	•		•	•	•	•	•	•	•	•	•
TP175	•		•	•	•	•	•	•	•	•	•
TP220	•		•	•	•	•	•	•	•	•	•
TP912										•	
TP920		•	•								
T5 Starter Kit	(compatible with T5/T+/T+Pro/330 Series Clamp Meters)										
TP165X	(compatible with 1503/1507/1577/1587/1650 Series)										


TLK289

TLK287

TLK289 Industrial Master Test Lead Set

Designed for electrical and electronics testing in today's industrial environment including clips and probes for dependable contact with a variety of test points. Includes eight items:

- One pair each (red, black)
 - AC285 SureGrip™ Alligator Clips
 - AC220 SureGrip™ Alligator Clips
 - AC280 SureGrip™ Hook Clips
 - TP220 SureGrip™ Industrial Test Probes
- TPAK ToolPak™
- 80BK-A Integrated DMM Temperature Probe
- C116 Soft Carrying Case

TLK287 Electronics Master Test Lead Set

The perfect test lead set for today's electronics test and design. Includes 11 items:

- Precision electronic probes with multiple spring-loaded sharp tips to maximize contact with SMD test points
- Micro-grabbers and leads to enable fine SMD testing
- Mini-alligator clips, grabbers, and probes for virtually every electronics need
- Modular test leads and lead-probe combinations
- Couplers for long lead applications