

MODULAR TEST LEADS

	Modular test leads			
				
	TL221 SureGrip™ Test Lead Extension Set	TL222 SureGrip™ Silicone Insulated Test Leads	TL224 SureGrip™ Insulated Test Leads	TL27 Heavy-Duty Test Lead Set
Description	Modular test leads provide the convenience of attaching clips, hooks and grabbers as needed. All the leads offer strain relief and include banana jack terminations that allow a great variety of test lead configurations.			
Specifications				
Cable length	1.5 m (59 in)	1.5 m (59 in)	1.5 m (59 in)	1.5 m (59 in)
Category rating	CAT III 1000 V, CAT IV 600 V, 10 A	CAT III 1000 V, CAT IV 600 V, 10 A	CAT III 1000 V, CAT IV 600 V, 10 A	CAT III 1000 V, 10 A rating
Termination	Safety-shrouded 4 mm (0.16 in) banana jacks	Safety-shrouded 4 mm (0.16 in) banana jacks	Safety-shrouded 4 mm (0.16 in) banana jacks	Safety-shrouded 4 mm (0.16 in) banana jacks
Connectors	Straight connectors on both ends	Right angle connectors on both ends	Right angle in one end, straight in the other	Straight connectors on both ends

This wide variety of clips and probes allows you to configure the modular test leads to individual needs. Use with modular clips (Table A) or modular test probes (Table B).

Table A

	Modular clips			
				
	AC285 SureGrip™ Alligator Clips	AC220 SureGrip™ Alligator Clips	AC280 SureGrip™ Alligator Clips	AC283 SureGrip™ Pincer Clips
Specifications				
Category rating	CAT III 1000 V, CAT IV 600 V, 10 A	CAT III 1000 V, CAT IV 600 V, 10 A	CAT III 1000 V, CAT IV 600 V, 3 A	CAT II 600 V, 3 A rating
Application	Fine gauge wire to a 20 mm bolt	Screw heads	Wires and cables	Continuity testing on circuit board (diodes)

Table B

	Modular test probes					
						
	TP175 TwistGuard™ Test Probes	TP220 SureGrip™ Industrial Test Probes	TP1/TP2/TP4 Slim Reach™ Test Probes	TP80 Electronic Test Probes	TP74 Lantern Tip Test Probes	TP38 Slim Reach™ Test Probes
Specifications						
Tip dimensions	19 to 4 mm (0.75 to 0.16 in)	12 mm (0.47 in)	Up to 14.7 mm (0.58 in) 1 mm (TP1) 2 mm (TP2) 4 mm (TP4) diameter probe	Up to 3.9 mm (0.157 in)	Banana style 4 mm (0.16 in) spring contacts Nickel-plated brass ends	24 mm (0.95 in), including insulated part of the tip
Category rating	CAT III 1000 V, CAT IV 600 V, while providing flexibility for CAT II measurements	CAT II 1000 V (CAT III 1000 V, CAT IV 600 V with cap), 10 A	CAT II 1000 V (CAT III 1000 V, CAT IV 600 V with cap), 10 A	CAT III 1000V, 1A	CAT II 1000 V (CAT III 1000 V, CAT IV 600 V with cap), 10 A	CAT III 1000 V, CAT IV 600 V, 10 A
Application	General-purpose measurements	Industrial	Electrical	Electronics	Electrical	Electrical

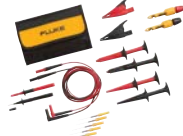
Industrial, electrical and general measurements

Test lead kits for industrial, electrical and general-purpose measurements					
					
	TL220 SureGrip™ Industrial Test Lead Set	TLK-220 US SureGrip™ Industrial Test Lead Set	TLK-225 US SureGrip™ Master Accessory Set	TLK289 US SureGrip™ Industrial Master Test Lead Set	TL223 SureGrip™ Electrical Test Lead Set
Parts included					
AC220 SureGrip™ Alligator Clip Set	•	•	•	•	•
AC285 SureGrip™ Large Jaw Alligator Clip Set		•	•	•	
AC280 SureGrip™ Hook Clips			•	•	
AC283 SureGrip™ Pincer Clips			•		
TP220 SureGrip™ Industrial Test Probes	•	•			
TL224 SureGrip™ Insulated Test Leads	•	•	•	•	•
TP175 TwistGuard™ Test Probes			•	•	
TP1 Slim Reach Test Probes (flat-bladed)					•
80BK-A Digital Multimeter Temperature Probe Case		C116 Zippered Vinyl Case	6-pocket storage pouch	C116 Zippered Vinyl Case, TPAK ToolPak™	
Safety rating	All CAT IV 600 V, CAT III 1000V	CAT II 1000 V (CAT III 1000V, CAT IV 600V with cap), 10 A	All CAT IV 600V, CAT III 1000V (CAT II 600 V, 3 A rating for AC283)	CAT II 1000 V (CAT III 1000V, CAT IV 600V with cap), 10A	CAT II 1000V, 10 A (CAT III 1000V, CAT IV 600V with cap)

Electronics

Test lead kits for electronic environments on the bench or in the field such as circuit boards and components		
		
TL80A Basic Electronic Test Lead Kit	TL81A Deluxe Electronic Test Lead Kit	TLK287 Electronics Master Test Lead Set
Parts included		
TL71 Premium Test Lead Set	TL71 Premium Test Lead Set	TL910 Electronic Test Probe Set
Medium Alligator Clip (CAT III 1000V, 10A)	TL224 Test Lead Set	TL224 Test Lead Set
Extended probe tips (CAT II 300V, 3A)	Insulated alligator clips (10 A)	Modular test probes (10 A)
C75 Accessory Case	Modular alligator clips (10 A)	Medium alligator clips (10 A)
	Insulated probe tip extenders (3 A)	Test lead couplers
	Modular test probes (10 A)	Precision electronic replacement probe tips
	Modular hook-style clip test leads (5 A)	Rotating micrograbber set (2 A)
	Modular pinch-style clip test leads (5 A)	Banana plug/.025 SQ receptacle lead set
	Slide-on IC probe tips (3 A)	Modular hook-style clip test leads (5 A)
	Test lead couplers	Spade lug to banana jack adapters (10 A)
	Spade lug to banana jack adapters (10 A)	Pouch
	Pouch	

Automotive

Test lead kits for automotive applications	
	
TLK281	TLK282
Parts included	
TP81 Insulation Piercing Clip Set	
TL224 SureGrip Test Lead Set	
TP220 SureGrip Test Probe Set	
AC220 SureGrip Alligator Clip Set	
AC285 SureGrip Large Jaw Alligator Clip Set	
	TP40 Automotive Back Probe Pins (five)
	TP238 SureGrip Insulated Test Probe Set
6-pocket roll-up pouch soft case	