

Technical Specifications

Specification		UT685A KIT (NEW)	UT685B KIT
Applicable cables		1, CAT5/CAT6 twisted pair; 2, UTP (unshielded); 3, FTP (foil-shielded); 4, SSTP (double-shielded)	1, CAT5/CAT6 twisted pair; 2, UTP (unshielded); 3, FTP (foil-shielded); 4, SSTP (double-shielded); 5, Coaxial cable: 50Ω, 75Ω, 93Ω
Wire mapping	Live wire testing	1, Polarity detection; 2, Warns of hazardous voltage (>10V)	1, Polarity detection; 2, Warns of hazardous voltage (>10V)
	1-to-1 Wire mapping	1, Crimping/mapping interface; 2, Receiver RJ45	1, Pairing interface; 2, Receiver RJ45
Crimping test	Test type	8-core	
	Response time	≤1s	
Length testing	Minimum detectable length	10cm	
	Open-circuit wire length	2.5–300m: 1m	500m: 0.3m
	Resolution	≤20m: ±1.6m	±4% or 0.6m (2ft), whichever is greater
		20–100m: ±2.4m	NVP uncertainty adds extra error
POE testing	Short-Circuit position detection	Identifies fault distance	Identifies fault distance
	Working voltage range	DC5~60V	DC5~60V
	Standards supported	802.3AF, 802.3AT, 802.3BT	802.3AF, 802.3AT, 802.3BT
Port testing	Indication method	via LCD	via LCD
	Full/Half-Duplex detection	Yes	No
	Auto/Negotiation support	Yes	Yes
	Switch types	10M/100M/1000M	10M/100M/1000M
Wire tracing	Port detection	Checks Ethernet port connection status	Checks Ethernet port connection status
	Measurable wire length (max)	RJ11 3000m	RJ11 3000m
		RJ45 1000m	RJ45 1000m
	Working frequency	125kHz digitally modulated signal (high accuracy)	125kHz digitally modulated signal (high accuracy)
	Tone variations	2 types	2 types
Display	Tracing mode	Anti-interference	Anti-interference
	2.8-inch LCD digital screen		
Input protection	70VDC		
Power supply	1.5V AA batteries x3; Low battery warning;		
Auto shutdown	Normal mode: 10min; Cable location mode: 60min		
Drop test	1m		
Operating environment	0~45°C; 20~75% RH (N.C)		
Storage environment	-20~60°C; 10~90% RH (N.C)		



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TDR CABLE TESTER

UT685 Series KIT



UT685A KIT

UT685B KIT

UT685 series KIT can test various types of cables (including twisted pair cable, coaxial cable, and POE network cable): you can find the cable, detect the cable length, and line sequence, and confirm whether it is POE and POE standards. Plus, it integrated RJ11, RJ45, and coax test ports to support virtually any low-voltage cable testing without needing awkward adapters.

Effectively reduce the operator's ineffective testing and improve work efficiency, which makes high-quality installations more efficient and easier to troubleshoot.



💡 Crimping test (UT685A KIT only)



💡 Cable length test



💡 Wire tracing



💡 POE testing

