



TP-16

Calibration Optical Probe Data Sheet



CE Certification



RoHS Certification



Protection IP54

TP-16 optical scanning probe is specially designed by Tespro China for portable meter test instrument, which is compliant with instrument PRS1.3&PWS1.3 respectively with dedicated connector. It is generally suitable for pulse acquisition of electronic energy meters worldwide and can be used in conjunction with verification equipment to complete verification work. TP-16 optical scanning probe can sense both light and IR(Infrared) light pulses emitted by LED, and then convert them to electric pulses.

TP-16 optical pulse sensing probe is originally designed by Tespro China and supports customized circuits and casings for customers, as well as OEM/ODM support.

Technical Specifications

Category	Items	Features
Power	Power supply	DC5V±12%,≤10mA(default) DC24V for option
	Output pulse	High level ≥4.0V,low level≤0.3V, positive electric pulse DC5V/DC12~24V for option
Cable	Cable length	3M in normal, 2M for option
Interface	Connector	Dedicated Lemo connector for instrument PRS1.3 & PWS1.3respectively
Mounting	Fastening	Strong magnetic adhesion(specified by IEC 62056-21)
Mechanical & Enclosure	Mechanical	PC
Environmental	Environment	Application temperature:-40°C~70°C in normal
Dimensions	Diameter &Height	Optical port 32mm Diameter/Height 30mm
	Weight	92 gr
Accessory	Probe Fixture	TP-GS2 supporting fixture can be used for probefixing onto any kind of meters
	Magnet Holding Power	N40/N52(Optional)
Physical Specifications	Protection Class	IP 52



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