



TP-16 Calibration Optical Probe Data Sheet



CE Certification

RoHS

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

Item	Features
Power supply	DC 12V±10% (default) DC24V for option
Output pulse	High level $\geq 4.0V$, low level $\leq 0.3V$, positive electric pulse DC12~24V for option
Cable length	3M in normal, 2M for option
Connector	Dedicated Lemo connector for instrument PRS1.3 & PWS1.3 respectively
Fastening	Strong magnetic adhesion (specified by IEC 62056-21)
Mechanical	Impact ABS + PC housing
Environment	Application temperature: -40°C~70°C in normal
Diameter & Height	Optical port 32mm Diameter / Height 30mm
Weight	92 gr
Probe Fixture	TP-GS2 supporting fixture can be used for probe fixing onto any kind of meters
Magnet Holding Power	N40 / N52 (Optional)
Protection Class	IP 54



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