



TP-11

Calibration Optical Probe Data Sheet



CE Certification

RoHS

RoHS Certification



Protection IP54

TP-11 is an optical pulse acquisition and verification optical probe originally designed and manufactured by Tespro China. 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-11 optical scanning probe can sense both light and IR(Infrared) light pulses emitted by LED, and then convert them to electric pulses.

The TP-11 calibration optical probe can be adapted to various calibration equipment, including high-precision standard meters produced by EMH company, meter production testing equipment from major meter manufacturers, and portable on-site testing equipment. The TP-11 photoelectric head 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 5V $\pm$ 10%, $\leq$ 10mA(default) DC12~36V for option
Output pulse	High level $\geq$ 4.0V, low level $\leq$ 0.3V, positive electric pulse DC5V / DC12~24V for option
Cable length	3M in normal, 2M for option
Connector	bare wires without connector in normal Customized connector is available
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 52



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