



# TP-232

Series Communication Optical Probe Data Sheet



CE

RoHS

Windows    Android    Protection IP54    CE Certification    RoHS Certification

TP-232 Series Optical Probe designed with infra-red and RS232 interfaces. It was designed to be powered from RS-232 interface in 2002 by Tespro China. The up-to-date technologies and the general application property for almost all kinds of electric meters and thermo meters make it very unique among the optical probe families.

The TP-232 series optical probe supports power from the RS232 interface and external power supply through other pins of DB9. In terms of RS232 power supply, we use patented technology to steal power from the RX and TX pins of RS232, and drive the optical probe circuit without affecting RS232 interface communication. Tespro China has always adhered to the principle of quality first, we insist on using wide temperature cable materials to ensure that the product can work normally between -40 °C and +70 °C. For 20 years, as always, adhering to quality is our pursuit.

# Technical Specifications

Category	Items	Features
Basic Information	Communication Interface	RS232
	Supported Standard	IEC 62056-21/ANSI/ANSI-Type2/DL/T-645
Model Specifications	Sub-Models	TP-232-IEC:Compliant with IEC-62056-21(ModC&E)
		TP-232-ANSI-N:Compliant with ANSIC12.18
		TP-232-ANSI-S:Compliant with ANSIC12.18-2006 type2
		TP-232-IR645:Compliant with DL/T-645-97/07
Performance	Maximum B.R.	57600 in normal and max.115200 available
Physical Interface	Connector	RS232-DB9/(Customized)
Optical Specifications	Sensor Light Wave Length	
		~900 nm.
Cable	Cablelength	2M in normal and 3M/4M/5M for option
Mounting	Fastening	Strong magnetic adhesion (in accordance with IEC 62056-21)
	Magnet Holding Power	N40/N52(Optional)
Environmental	Environment	Application temperature:-40°C~70°C in normal
Dimensions	Diameter&Height	Optical port 32mm Diameter/L45×H30mm
Physical Specifications	Weight	88 gr
	Enclosure Material	PC
	Protection Class	IP54



Tespro Electronics Co., Ltd.

<https://www.tespro.com>

Email: [info@tespro.com](mailto:info@tespro.com) / [sales@tespro.com](mailto:sales@tespro.com)

Mobile/whatsapp : China: +86-13928019921, +86 13825632387, HK: +852-64809837, US: +1 8084918078

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