



# TP-USB-IrDA

Communication Optical Probe DataSheet



Windows



Android



Protection IP54



CE Certification

**RoHS**

RoHS Certification

TP-USB-IrDA Optical Probe, a professional IrDA serial communication solution by Tespro, enables local data transmission between metering terminals and meters. One end features SIR IrDA mode (compliant with IrPhy 1.0), while the other connects to PCs or HHTs via USB-A/USB-C interfaces.

Adhering to Tespro's 20-year quality commitment, it adopts premium Infrared Transceiver TFBS4711 and original core components for stable performance. With 5 selectable baud rates (9600-115200bps) and broad compatibility, it offers plug-and-play convenience across systems—no extra drivers needed. Engineered for reliability, it's the trusted choice for industrial metering scenarios. Originally designed and manufactured by Tespro Electronics Co.,Ltd.(Tespro China).

# Technical Specifications

Category	Items	Features
Communication	Communication Interface	USB2.0 and USB3.1
	Supported Standard	SIR IrDA , IrPhy 1.0; Standard IrDA link distance of 1 m
	Baud Rate	9600/19200/38400/57600/115200, 5 choose 1
	Maximum B.R.	115200 bps
Cable & Interface	Connector	USB-A or USB-C
	Cable length	2M in normal and 3M/4M/5M for option
Hardware & Controls	Sensor Light Wave Length	850-900nm
	Fastening	Strong magnetic adhesion
	Magnet Holding Power	N40 / N52 (optional)
Mechanical & Enclosure	Mechanical	PC
	Diameter & Height	Optical port 32mm Diameter / L45xH30mm
	Weight	95 gr
Environmental	Enviroment	Application temperature: -40°C~70°C in normal
Physical Specifications	Protection Class	IP 54



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 We have offices in multiple countries: China, US, UK, AUS, HK. If you encounter an agent, please contact us first to confirm.