



## TP-TTL Series Communication Optical Probe Data Sheet



Windows



Android



Protection IP54



CE Certification

**RoHS**

RoHS Certification

TP-TTL Series Optical Probe are designed with TTL interfaces in 2013 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-TTL series optical probe is powered by an external power source, supports different types of connectors, and accepts customized plugs from customers. Tespro China always adheres to the principle of quality first, and we insist on using wide temperature cable materials to ensure that our products can work normally between -40 °C and +70 °C. For the past 20 years, as always, adhering to quality is our pursuit.

# Technical Specifications

| Items                    | Features                                                                                                                                                                                                |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication Interface  | TTL(3.3~5V)                                                                                                                                                                                             |
| Supported Standard       | IEC 62056-21 / ANSI / ANSI-Type2/DL/T-645                                                                                                                                                               |
| Sub-Models               | TP-TTL-IEC: Compliant with IEC-62056-21 (Mod C & E)<br>TP-TTL-ANSI-N: Compliant with ANSI C12.18<br>TP-TTL-ANSI-S: Compliant with ANSI C12.18-2006 type2<br>TP-TTL-IR645: Compliant with DL/T-645-97/07 |
| Maximum B.R.             | 57600 in normal and max.115200 available                                                                                                                                                                |
| Connector                | Aviation plug/(Customized)                                                                                                                                                                              |
| Sensor Light Wave Length | ~ 900 nm.                                                                                                                                                                                               |
| Cable length             | 2M in normal and 3M/4M/5M for option                                                                                                                                                                    |
| Fastening                | Strong magnetic adhesion (in accordance with IEC 62056-21)                                                                                                                                              |
| Magnet Holding Power     | N40 / N52 (Optional )                                                                                                                                                                                   |
| Mechanical               | Impact ABS+PC housing                                                                                                                                                                                   |
| Environment              | Application temperature: -40°C~70°C in normal                                                                                                                                                           |
| Diameter & Height        | Optical port 32mm Diameter / L45xH30mm                                                                                                                                                                  |
| Weight                   | 88 gr                                                                                                                                                                                                   |
| Enclosure Material       | ABS + PC                                                                                                                                                                                                |
| Protection Class         | IP 54                                                                                                                                                                                                   |



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