



# TP-RF

Series Communication Optical Probe Data Sheet

## Overview

TP-RF is a new series of TesPro China wireless optical probe, which supports 900/430 MHz series RF communication with PC, NB, and other devices. TP-RF has unique features designed with MCU, TP-RF has been designed in such a way that one BT probe can be used as two. It functions both RF optical probe as well as normal Tespro USB connection optical probe.

## Items in package



(1) USB Charger Adapter



(2)Charger Cable

# Technical Specifications

| Item                           | Features                                                                              |
|--------------------------------|---------------------------------------------------------------------------------------|
| Communication Interface        | USB RF wireless Adapter                                                               |
| Supported Standard             | IEC 62056-21 / ANSI / ANSI-Type2                                                      |
| Frequency Range                | 916 / 433 MHz (915MHz as default)                                                     |
| Modulation                     | GFSK                                                                                  |
| Sensor Light Wave Length       | ~ 900 nm.                                                                             |
| Number Of Keys                 | 1 Keys (Power)                                                                        |
| LED Indicators                 | 3 LEDs (Power / Charge / Communication )                                              |
| Magnet Holding Power           | N40                                                                                   |
| Maximum Data Rate              | 57600 in normal and max.115200 available                                              |
| Battery                        | Re-chargeable lithium ion battery                                                     |
| Battery Charging Time          | 3 Hours                                                                               |
| Comm. distance                 | 100M in open side without obstacle, and 60M in building<br>when power level in max    |
| Default baud rate              | 9600 bps fixed for ANSI standard meters<br>Two modes of 300~any/9600bps fixed for IEC |
| Transparent Communication Mode | IEC 62056-21 Mode C / Mode E / User Mode<br>ANSI C12.18 / ANSI C12.18-2006 type2      |
| Smart Communication Mode       | There is (IEC 62056-21 Mode C / Mode E)                                               |
| Accessories                    | USB Charger Adapter & Charger cable                                                   |
| Working Environment            | -40° C ..... +60° C                                                                   |
| Enclosure Material             | ABS + PC                                                                              |
| Protection Class               | IP 54                                                                                 |
| Size of RF probe               | 54L x38Wx35H (mm)                                                                     |
| Weight                         | 200g                                                                                  |



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