



# LPWAN miniUNI LED counter

LPWAN miniUNI LED counter device has been designed for counting pulses from LED typically present on major electric meters on the market. Special sensing head for low bright LED sensing was developed by Solidus Tech and interfaced to standard miniUNI device over UART interface.

MiniUNI LED counter is designed for 1 sensing LED head. The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra-low power components. 5+ year between battery replacement can be expected with 6 messages per day. Enclosure is made of high-quality ABS plastic and has been designed to meet IP65. The device can be delivered in IP68 protection on demand, as for details before order.

## Usage

- Electric meter pulse counter
- Flash counter



| LPWAN TRUEBNER SMT-100 IP65 device | Parameter   |
|------------------------------------|---|
| Protection                         | IP65  |
| Operating temperature              | -40 to +80°C  |
| Power supply                       | 3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible           |
| Power consumption                  | <3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBLoT) |
| Battery lifetime                   | Aprox. 20 000 transmissions   |
| Supported LPWAN standards          | Sigfox, LoRaWAN, NBLoT (one of selected upon order)                   |
| Dimensions in mm                   | 107 x 65 x 33 + probe 182 x 30 x 12                                   |
| Weight                             | 145g  |
| Probe                              | Optical sensor for low brightness LED flash resolution                |
| Cable length                       | Upon request, max. 5m, 1m cable by default                            |
| Antenna/typical range              | Helical, gain 2.5dBi/45 to 110km depends on LPWAN technology          |

