

LPWAN miniUNI LED counter

PRODUCT DESCRIPTION

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 lowbright 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



FEATURES	PARAMETERS
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	107 x 65 x 33 + probe 182 x 30 x 12
Weight	145g
Probe	Optical sensor for low brightness LED flash resolution
Cable lenght	Upon request, max. 5m, 1m cable by default
Antenna/typical range	Helical, gain 2.5dBi/45 to 110km depends on LPWAN technology