Wireless Tunnel™ Pulse Counter (WTS-PC)

Calculate flow rates with pulse counting

This battery powered LoRa™ sensor has a two wire contact input for connecting to third party equipment that output a pulse. For example, a flow meter with a pulse output, where the number of pulses counted per minute is related to the liter per minute flow rate, or an anemometer for measuring the windspeed.

Sensor Features

- 4xAA Battery powered
- IP66 rated enclosure
- 5VDC or 12VDC power input

WTS-PC - Technical Specification

Status Indication	LED indication for - Mode - Status - RSSI
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Operating Environment	Temperature : Min. -35° C – Max.80° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
LoRa (R) Radio Regional plans	- EU868 : 863~868Mhz, Max TX Power +14dBm, Duty Cycle 1% - US915: 903~915Mhz, Max TX Power +17dBm - AS923 : 920~925Mhz, Max TX Power +14dBm, Duty Cycle 1% - KR920 (Korea) : 922~923Mhz, Max TX Power +14dBm, Duty Cycle 1% - IL917 (Israel) : 915~917Mhz , Max TX Power +14dBm, Duty Cycle 1%
Certification	FCC Part15C, CE EN300220-2
Interface	Micro-USB port for powering, adding and upgrading to the Gateway base unit
Dimension	76x77x120mm
Mounting	Wall hanging, DIN rail, Pipe Clamp
Power source	4xAA batteries or via micro-USB port
Power Consumption	Average 12 mWatt, 10uA in Idle, Up to 10 years of battery life
Environment monitoring	
Dry Contact for pulse counting	1x Discrete input internally pulled-up
Input	Pulse counting : up to 1kHz pulse signal Flow metering
Gateway sensor count	6 (3 + 3)
Important Note	Don't apply any voltage to the dry contact inputs

WTS-PC - Technical Drawing