



CS WATER COUNTER

The CS Water Counter is an alternative pulse input LoRaWAN device for modern-day water management systems. With long-range wireless connectivity, extended battery life, and a unique plug-and-play approach, this device can be used as a Pulse counter. It can integrate with most standard dry contact outputs in North America water meters. It has environmental sensors to monitor temperature, humidity, and barometric pressure. Attach the unit to a wall with the supplied screw or double-sided tape and connect the water meter to the device.

The CS Water Counter is a time-based pulse summary reporting device, meaning the device will count pulses in a defined period and report the accumulation of pulses for that period. Currently, that period is set to 1 hour by default. Still, it can be adjusted as required*. What makes the CS Water Counter special is the non-volatile memory that counts and stores a total summary of all pulses seen, meaning in the event of a network outage. The total count is not lost; once the network is recovered, the device will update the total pulse count.

NODE FEATURES

- ✓ Up to 10-15 Year Battery Life (Configuration Dependent)
- ✓ 2x 3.6V Li-SOCl₂ Primary Cell Battery (Sold Separately)
- ✓ BLE 5.0 (Bluetooth Low Energy)
- ✓ Led Indication
- ✓ ABP / OTAA LoRaWAN Compliant
- ✓ Tamper Detection
- ✓ Self-Test Feature

SYSTEM ADVANTAGES

- ✓ Battery Life Indicator
- ✓ Configuration Setup Wizard
- ✓ 2 Year Warranty
- ✓ Configurable Transmission Interval
- ✓ Configurable Logging Interval
- ✓ Modes: Interval, Threshold, Hybrid
- ✓ <20 Second Response Time



CS WATER COUNTER

TECHNICAL SPECIFICATIONS

FEATURES

Environmental Rating:	IP54
Operating Temperature:	40 °C ~+ 65 °C
Battery Specifications:	2x 3,6V 2600 mAh Li-SOCl ₂

LORAWAN PERFORMANCE

Minimum RX Sensitivity:	-149 dBm LoRaWAN
Maximum TX Power:	+21 dBm (LoRaWAN)
Data Rate:	DR0-DR5 (LoRaWAN)

BLUETOOTH PERFORMANCE

Minimum RX Sensitivity:	-95dBm (Bluetooth 5.0)
Maximum TX Power:	+2 dBm (Bluetooth 5.0)

PHYSICAL CHARACTERISTICS

Height:	38.00mm
Length:	73.00mm
Width:	66.00mm
Weight:	105g (155g with batteries)



ADAPTERS

