

1 About the Pulse Counter

The MultiTech Pulse Counter transforms traditional utility meters into smart meters, delivering near real-time wireless visibility into utility consumption. By seamlessly integrating with existing infrastructure, it empowers users to monitor water usage, detect anomalies that could signal issues like leaks, and identify opportunities for efficiency without the need for manual meter checks or waiting for monthly bills. With its reliable connectivity and intuitive design, the Pulse Counter is the ideal solution for sustainability officers, facility managers, and businesses seeking actionable insights to optimize resource management and reduce costs.



Ordering Options

Ordering Part Number	Description	Region
RBS301+NA28BN00	Pulse Counter	Canada United States
RBS301+EU28BN00	Pulse Counter	European Union United Kingdom
RBS301+AU28BN00	Pulse Counter	Australia New Zealand

Specifications

Category	Description		
Operational Characteristics			
LoRaWAN Region	Canada United States	European Union United Kingdom	Australia New Zealand
Sensor Type	LoRaWAN Pulse Counter		
Part Number	RBS301+NA28BN00	RBS301+EU28BN00	RBS301+AU28BN00
LoRa® Wireless Frequency Band (MHz)	902 to 928	863 to 870	915 to 928
Channel Plan	US915	EU868	AU915/AS923
Protocol	LoRaWAN compliant		
Antenna	Peak (typical) antenna gain is 0.8dBi		
Power	Battery powered; replaceable		
Battery Type	CR123A; quantity: 1		

Category	Description		
Battery Life	Configuration dependent; see GitHub - MultiTech-Sensors/Technical_Information: Tech Data, Decoders, and Battery Life Calculators		
Physical Characteristics			
Dimensions (LxWxH)	4.6" x 2.2" x 0.9" (118 mm x 55 mm x 23 mm)		
Weight	100g (3.5 oz)		
Enclosure Type	ABS Plastic, IP65		
Mounting	Double Sided Tape, Screws, or Cable Ties		
Max Count	34,359,738,367		
Counter Operation	Falling Edge		
Max Frequency	135 Hz		
Pulse Filter	5 ms to 1.275 s (5 ms increments); short, accidental pulses are ignored - only pulses longer than the setting are counted		
Counter Behavior	Reset on power cycle		
Pulse Rate	Capable of calculating and reporting the rate of pulses in pulses per minute (PPM)		
Rate Resolution	0.125 PPM		
Rate Max	8191.875 PPM (~135 Hz)		
Environmental			
Operating Temperature	-40°C to +50°C		
Operating Humidity	10% to 90% (non-condensing)		
Storage Temperature	-40°C to +45°C (higher temperatures may degrade battery)		
Certifications			
Compliance	FCC/IC, REACH, ROHS	CE, RED, UKCA, REACH, ROHS	AS/NZS CISPR 22; RCM; AS/NZS 4268:2012 + a1:2013, MPE Standard 2014; AS/NZS 62368.1:2018 / IEC 62368-1:2014
Warranty			
Warranty	2-Years / www.multitech.com/legal/warranty		

See user guide for more information.

Contact Information

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