

addaN4 Standard Low Power Waterproof Sensor Node: Flow Meters



addaN4 Smart Flow Meter Adapter: Effortless Smart Upgrade Without Replacing Your Meters

addaN4 Smart Flow Meter Adapter is specifically designed for various sizes and models of pulse-based water meters, oil meters, and gas meters. It allows for seamless smart upgrades without the need to replace existing meters. With its high compatibility, installation is simple and requires no complex modifications.

Key Features:

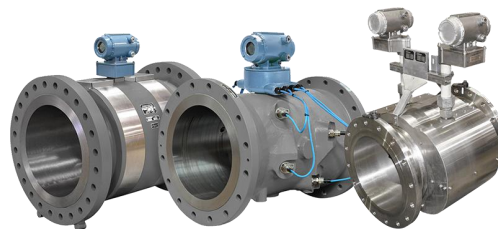
- **Remote Data Collection:** Enables real-time data acquisition for efficient monitoring.
- **Instant Meter Reading:** Facilitates accurate, real-time meter readings.
- **Anomaly Alerts:** Detects and reports abnormal water usage promptly.
- **Data Analysis:** Provides comprehensive support for digital water management through advanced analytics.
- **LoRaWAN Wireless Communication:** Ensures ultra-low power operation and reliable outdoor performance.
- **Rugged Design:** Equipped with an IP68 waterproof enclosure, resistant to harsh weather conditions.
- **Global Compatibility:** Supports multiple frequency bands (EU433 / EU868) for stable worldwide connectivity.

Choose addaN4 Smart Flow Meter Adapter to bring intelligence, efficiency, and sustainability to your water management system.

Technical Specification:

- Network Mode: addaNet / LoRaWAN
- Microcontroller: STM8L / STM32L
- Wireless Chip: SX1276/78
- Interfaces: I2C, USART, Modbus
- ADC/DAC: 12-bit ADC, 12-bit DAC
- I/O: 5 x GPIO
- Modem: LoRa Modem
- Functionalities:
 - Preamble Detection
 - Configurable Baud Rate
- Available Frequency Bands:
 - EU433 / EU868
- Casing: IP67 / IP68 Silicone filling
- Power Consumption: Ultra Low Power (4uA typical)
- Battery Options: ER14505
3.6V@2700mAh or 5400mAh Li/SOCL2
Battery or Lithium Battery or Solar
Battery

addanode Water Management Solution



Compatible with Brand and Sensors:

- Sensus RD01/RD02 Reed Switch, HRI-B, HRI-Mei
- Honeywell Elster PR7/PR6, V100/T110 Reed Switch, Elster H4000/H3000 Reed Switch
- Precision Meters Woltman Series
- ARAD Wst Pulse Kit, Octave Pulse Kit
- Digital Water Meters (Modbus / Hart) such as Mass Flow Meters, Ultrasonic Water Meters, EM Water Meters etc.
- Smart Wireless Water Meters based on the technologies such as LoRaWAN Sigfox NB-IoT LTE Cat1 / Cat4

Effortless Smart Upgrade Without Replacing Your Water Meters

Key Benefits:

- Seamless integration
- Automated data collection
- Accurate usage insights
- Scalable, low-cost setup
- Centralized dashboard

Optimize resources, minimize manual work, and embrace the future of water management.