

BluMeter-s M15~M25

Multi-Jet Smart Prepaid
Keypad Water Meter



**Powering the Future with
Precision and Control**

BluMeter-s is a next-generation **STS prepaid** water meter with Keypad designed for forward-thinking utilities and efficient end-user water management. Engineered with advanced **LoRa RF wireless** communication, it allows real-time consumption monitoring and hassle-free prepaid recharging. Built to endure even the harshest environments, **BluMeter-s** is **IP68-rated**, flame-retardant, and equipped with **long-life batteries**, making it ideal for both residential and commercial deployments.

This intelligent metering solution offers precise measurement, **tamper detection**, **automatic valve control**, and progressive tariff support – all wrapped in a sleek, compact design. With seamless integration into modern AMI infrastructures and compatibility with leading vending systems, **BluMeter-s** empowers utilities to reduce losses, improve operational visibility, and deliver a frictionless user experience from the first drop to the last.



Main Functionalities:

Prepaid	• Supports prepaid and postpaid mode • STS-compliant • Token-based top-up via Keypad • Low balance warning (configurable threshold) • Emergency credit mode
Communication	• LoRa RF Wireless Communication (433MHz) • Communication distance: 900–300 meters (to CIU/DCU) • Dot Matrix LCD on CIU with LED signal status and buzzer alarms
Advanced Functions	• Real-time balance and usage display via CIU • Short code commands for usage trend checks • Configurable overdraft and alarm values via TOKEN • Recharge only via secure STS token method • Recharge blocked when exceeding water credit limit
Alarm & Event Logs	• Auto valve shut-off upon tamper detection or zero credit • Magnetic tamper detection • Battery low warning Logs tamper alarms (magnetism, valve events, etc.) • Consumption history (hourly/monthly for 10 years) • Event logs include recharges, tamper triggers, and valve actions
Security	• STS encryption • Multi Password protected

Key Features:

- DN15–DN25, Multi-jet, Dry Dial Design
- Compliant with OIML R49 / ISO4064 / EN14154
- Accuracy Class B/C or R80/R100/R160, MAP16, IP68
- Integrated meter and motorized ball valve
- Optional CIU with touch keypad, large LCD, and backlight
- Up to 60 data logging channels
- Non-contact RF card or STS (IEC41-62055) prepaid
- LoRa RF wireless communication (433MHz), CIU range up to 900m
- Supports Prepayment, AMR/AMI, or Hybrid Mode
- Fully sealed IP68-rated housing for harsh environments

EDMP

📍 PO Box 125428, Office P3-08, The Binary,
32 Marasi Drive, Business Bay, Dubai, UAE
✉ info@edmpco.com 🌐 www.edmpco.com

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