

Electromagnetic flowmeter AquaMaster FEW400

Our Product Introduction

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Basic Information

- Brand Name: ABB
- Model Number: FEW400



Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: **abb electromagnetic flowmeter,**

Product Description

AquaMaster is the ultimate solution for flow measurement for District Metered Area.
Measuring every drop accurately.

Overview

Key values for users:

Solution from the masters of flow measurement – in 1988, ABB invented and designed the world's first battery-powered electromagnetic flowmeter for DMA (District Metered Area)

Invest smartly through 'single box' DMA solution – combining flow, pressure and data-logging

Have greatest confidence in your billing based on highest accuracy with widest flow range revenue meter

Get early warnings for leaks or bursts and reduce NRW (Non-Revenue Water) – highest confidence in night line performance

Have highest confidence in the wet calibration – our flow rigs are certified by various national independent accredited bodies / laboratories all linked by the 'International Laboratory Accreditation Cooperation' (ILAC)

Fit and flow with factory default settings. To customize minimal on-site configuration required with quick and easy configuration through ABB Velox mobile smart phone / tablet app

Lowest total cost of ownership (TOTEX) over complete product lifecycle AquaMaster conforms to the latest international standards to meet increasing legislative demands for accurate flow metering. Its wide measuring range ensures peak daytime flows are accurately recorded and its exceptional low flow performance aids network leak detection.

Fit and flow for foolproof installation, all data is stored in the sensor to reduce on-site setup. AquaMaster's unique sensor design conditions the flow profile resulting in excellent meter performance in poor hydraulic installation conditions.

Data

Measurement parameters: flow rate, flow velocity, volume flow (forward, reserve and net) and pressure (option)

Wide range of sensor styles and size: reduced bore DN40 to 600, full bore DN40 to 2400 and probe 300 to 1000 mm. Range up to R1000 and accuracy up to $\pm 0.2\%$ $\pm 0.5\text{mm/sec}$ whichever is greater.

Power options: 10 years battery life, solar / wind renewable and AC mains

Communication options: Pulse, Modbus and Sensus with wireless interface to mobile smart phone / tablet

High and low flowrate alarms

Applicable for arduous applications: IP68 for submersion and up to 5m buriable

Verification: in situ diagnostics and self-checking capabilities

Backward compatible with legacy AquaMaster sensors

Drinking water certifications: WRAS, NSF, ACS, AS/NZS 4020

Metrological approvals: OIML R49 and MID MI-001 (pending)

Our Clients:



Our Partners:



Inner training, pre-shipment training, onsite commissioning, onsite training—Focus on detail and complete





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