

FLUXUS® F401

Dedicated Portable Water Meter

Durable - Watertight - Remote - Versatile

Clean measurement process
for drinking water systems

Leak detection

Water loss balancing

Verification of sewage lift station
performance

Temporary monitoring of
distribution and collection systems

Verification of pump and valve
performance

When measuring matters





FLUXUS® F401 - Portable water and wastewater flow measurements in every environment

The FLUXUS F401 is FLEXIM's dedicated **single channel portable flow meter for applications in the municipal water and wastewater sector** offering long term stable and precise bidirectional flow measurements in remote areas outdoor - being ideal for water loss activities prescribed in AWWA M-36.

As the measurement is carried out from the pipe wall outside and without contact with the water column, there is **no need to enter the piping system or to interrupt supply**. Thus, the FLUXUS F401 is the ideal tool for service and maintenance activities, for long or short term monitoring, data logging and existing meter verification.

The FLUXUS F401 is equipped with completely **water-tight IP68 / NEMA 6P transducers**, with the flow transmitter residing inside a IP67 / NEMA 6 suitcase. Combining its high internal battery capacity with an additional external battery suitcase (IP67 / NEMA 6 protected), the **F401 offers long term remote measurements of at least one week**.

Due to its matched transducer pairs and sophisticated internal signal processing, the F401 is highly zero point stable and recognizes even the smallest flow rates, thus being **also the ideal measurement tool for leak detection**.

Pipe sizes from **1 to 120 inches**, solid contents of up to 6% by volume as well as old and rusty steel, badly manufactured GRP or even armored concrete pipes (independent of lining and build-up inside the pipe) are not a measurement challenge to the F401.

Advantages:

- Non-invasive flow measurement - not causing process shut downs or interrupting supply
- Long term remote measurements outdoors of up to one week
- Measurement ready in less than 5 minutes
- Highly rugged water-tight transducers (IP68 / NEMA 6P) and transmitter
- User-friendly menu navigation - the firmware is specifically adapted to the needs of the water industry
- For nominal diameters of 1 to 120 inches and flow velocities of 0.03 to 80 ft/sec
- Independent of pipe material and manufactured quality
- Digital signal processing (DSP) and elaborate algorithms ensure stable and reliable results even under challenging measurement conditions
- High measuring accuracy, even at low flow velocities
- Adherence to AWWA manual M36

All this makes the FLUXUS F401 the superior companion for the daily work of water suppliers, hydrologist and engineering offices.

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