



NUFLO™ MC Series Totalizers

MC Series* flow totalizers are accessories for any manufacturer of turbine flowmeters or other meters that produce a pulse to represent a quantity of fluid. The totalizer counts each pulse and applies a scaling factor to provide the total accumulation of fluid and flow rate in the users preferred units of measure in volume, mass, or energy-based units.

Applications

- Gas
- Water
- Chemical
- Hydrocarbon liquids

Benefits

- Models for every level of automation
- Battery operation for low installed cost

Features

- Global certifications
- Stand-alone or networked solutions



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Intended for local display of flow rate and accumulated flow, the NUFLOMC-II flow totalizer provides separate, continuously illuminated LCD digital displays based on input from a turbine flowmeter. A single lithium battery inside the device powers the unit for three to five years. Together with a turbine flowmeter, the NUFLO MC-II totalizer delivers a low installed cost measurement solution.

Readings from the totalizer can be made in any desired volumetric units, and flow rates can be measured in units per second, minute, hour, or day. Rate and total are quickly and easily calibrated using the keypad on the front of the flow totalizer. The instrument is suitable for outdoor installation and requires no additional protection from the weather. It may be mounted directly on the turbine flowmeter or attached remotely.

Features

- Imbedded units of measure conversion factors simplifies calibration to popular units of measure
- Calibration data is retained even without battery; totals can be saved by pressing the ENTER/STOP button on the keypad
- Total reset: may be reset to zero from front panel
- Calibration: Settings made from front panel
- Security: Password security may be activated as a requirement to reset the total or change the calibration
- Swivel and tilting head for optimal viewing
- Weatherproof electrical connector and treaded union style direct mount connector for efficient installation

Specifications

- Size (W × H × L): 7.3 in × 8.3 in × 3.4 in [185 mm × 211 mm × 89 mm]
- Weight: 6 lbm including shipping container
- Power supply: One 3.6 volt lithium battery (restricted air transport regulations apply)
- Temperature range: -40 to 140 degF [-40 to 60 degC]
- Totalizer and flow rate display: six digits, bold, 6-in tall
- Divisor or calibration factor range: 0.001 to 999,999
- Standard units: bbl and bbl/d (other units of measure selectable during commissioning)
- Accuracy: ±1 count (totalizer)
- Input frequency: 0-3,500 Hz
- Input amplitude: 30-3,000 mV peak to peak

Optional Selections

- Remote mount version with various cable length selections
- Pulse output: the NUFLO MC-III flow totalizer is recommended when outputs or communications are required. The NUFLO MC-II flow totalizer offers an optional pulse output for use in a nonhazardous area.



NUFLO™ MC-II*
flow totalizer.



NUFLO™ MC-III EXP*
explosion-proof
flow totalizer.



NUFLO™ MC-III WP*
weatherproof flow totalizer

Contact SCS for all of your
NUFLO™ measurement needs!