

## NUFLO MC-I Portable Rate Meter

Cameron's NUFLO™ MC-I™ Portable Rate Meter is a portable liquid and gas measurement device that provides a continuous display of flow rate and total volume. Packaged in a compact carrying case with a handle, the instrument is easily transported from one field location to another for verifying turbine meter operation. The MC-I Portable Rate Meter is accurate, easy to use, and compatible with NUFLO turbine flow meters of all sizes.

An LCD screen simultaneously displays volume and flow rate in a variety of commonly used engineering units. Volume is displayed on the top line of the readout and the operator selects the decimal point position during calibration. Flow rate is displayed on the bottom line of the readout, and the decimal point position is automatically set in accordance with flow rate to provide maximum resolution as flow rates change.

The MC-I Portable Rate Meter is easily configured for liquid or gas measurement using the five-button keypad. For liquid, a user enters the calibration factor of the flow meter and selects the desired units for volume and flow rate. For gas, a user enters a manually calculated divisor and selects a desired time base for rate.



### Display

- Six digits for total
- Six digits for rate
- Character height - 0.5"
- Updates every four seconds
- Units of measurement
  - Volume: BBL, GAL, M3, and Liter
  - Flow Rate: BPD, GPM, M3/D, and Liters/Min or <volume unit> per day, hour, minute or second

### Turbine Meter Input

- Signal generated via a magnetic pickup
- Amplitude range: 30 - 3000 mV P-P
- Frequency range: 0 - 2000 Hz
- Accuracy of volume measurement:  $\pm 1$  count

### Features

- Magnetic pickup adapter allows for quick and easy reading of NUFLO meters
- Setup and calibration from front panel – no disassembly required
- Durable weatherproof case with integral handle
- Integral flow range chart for quick reference on the job
- Non-hazardous alkaline battery power
- Calibration data is retained even without battery power
- Quick keypad press saves volume totals instantaneously

## Power Supply

- Alkaline battery pack (three C-size batteries) supplied by Cameron
- Typically one year life, when stored at the recommended operating temperatures

## Case

- Black ABS plastic provides weatherproof protection when the lid is closed and latched
- 8 7/8" x 7 7/8" and 3 7/16" tall (including hinge and handle)

## Environmental

- Storage temperature: 20° F to 130° F (-7° C to 55° C)
- Operating temperature: 0° F to 130° F (-18° C to 55° C)
- Humidity: 0 - 90% non-condensing

## Hazardous Area Certification

- Intrinsically safe
- Class I, Division 1, Groups A, B, C, D

### LOCATIONS

#### North and South America

14450 JFK Blvd.  
Houston, TX 77032  
USA  
Tel 1.281.582.9500  
ms-us@c-a-m.com

#### Europe, Africa, Caspian and Russia

3 Steyning Way  
Southern Cross Trading Estate  
Bognor Regis  
West Sussex PO22 9TT  
England, UK  
Tel 44.1243.826741  
ms-uk@c-a-m.com

#### Asia Pacific

Suite 16.02 Menara Am Frst  
No. 1 Jalan 19/3  
46300 Petaling Jaya  
Selangor Darul Ehsan  
Malaysia  
Tel 603.7954.0145  
ms-kl@c-a-m.com

#### Middle East

Level 9, Al Jazira Club Tower A  
P.O. Box 47280, Muroor Road  
Abu Dhabi  
United Arab Emirates  
Tel 971.2.596.8400  
ms-uk@c-a-m.com

### OTHER LOCATIONS

**ALGERIA**

**CANADA**

**CHINA**

**INDIA**

**RUSSIA**

**UAE**

[www.c-a-m.com/measurement](http://www.c-a-m.com/measurement)