

**NuFlo™**

# MC-II™ Flow Analyzer

The MC-II Flow Analyzer provides separate, continuous digital displays of flow rate and accumulated flow based on input from a NuFlo turbine flow meter. The low current consumption of its liquid crystal displays and CMOS microprocessor based circuitry enable it to run from 3 to 5 years on a single lithium battery.

Totalizer readings can be made in any desired volumetric units, and flow rates can be measured in units per minute, hour, or day. Calibration for both rate and totals may be accomplished by using the membrane switches on the front of the MC-II. The instrument is suitable for outdoor installation and requires no additional protection from the weather. The unit may be mounted directly on the turbine meter or attached remotely.

## Specifications

(standard unit without options):

- Size: 7.3" wide x 8.3" high x 3.4" deep
- Weight: 6 lb including shipping container
- Power Supply: One 3.6 volt lithium battery
- Current consumption: 200 microamps
- Temp. Range: -40 to + 140°F
- Totalizer: Six digits, registering barrels (1/10/100, available) Divisor capabilities from 1 to 32,767 Maximum count rate is 35 Hz
- Flow rate: Six digits, registering barrels per day, updates once per second
- Accuracy:  $\pm 1$  count (Totalizer)
- Input frequency: 0 to 2000 Hz
- Input amplitude: 30 to 3000 mV peak to peak
- Signal cable: 1 ft

## Optional Features

(specify those desired):

- Totalizer and flow rate units other than "bbl" and "bbl/day" – specify totalizer units and/or flow rate units
- Reset switch: Internal jumper to allow resetting totalizer to zero from front panel
- Additional signal cable: Specify lengths desired; up to 2500 ft may be used



- Remote mounting hardware: Stainless steel, for installation on 2" nominal pipe, horizontal or vertical. (Use of this option will require additional signal cable. See option above)
- Calibration enable: Internal jumper to allow calibration changes from front panel
- Pulse output powered by customer's source  
For intrinsically safe (50 - 60 ms duration), specify:
  1. Dry contact relay – 5 volt coil, 200 mA max, 6 VDC max
  2. Open collector transistor – 200 mA max, 6 VDC
  3. Optically isolated transistor – 100 mA, 6 VDC
 For non-intrinsically safe (50 - 60 ms duration), specify:
  1. Relay – 5 volt coil, 0.5 mA max, 30 VDC max, 10W max (resistive)
  2. Relay – 12 volt coil, 0.5 mA max, 30 VDC max, 10W max (resistive)
  3. Relay – 24 volt coil, 0.5 mA max, 30 VDC max, 10W max (resistive)
  4. Open collector transistor – 0.3 A max, 30 VDC max
  5. Optically isolated transistor – 0.1A max, 30 VDC max

## Approvals

- UL listed, CSA Certified intrinsically safe in hazardous locations Class 1, Group A,B,C,D



WARRANTY-LIMITATION OF LIABILITY: Seller warrants only title to the product, supplies, and materials and that, except to software, the same are free from defects in workmanship and materials for a period of one (1) year from the date of delivery. Seller does not warranty that software is free from error or that software will run in an W uninterrupted fashion. Seller provides all software "as is". THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Seller's liability and Buyer's exclusive remedy in any case of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any product, software, supplies, or materials is expressly limited to the replacement of such products, software, supplies, or materials on their return to Seller or, at Seller's option, to the allowance to the customer of credit for the cost of such items. In no event shall Seller be liable for special, incidental, indirect, punitive or consequential damages. Seller does not warranty in any way products, software, supplies, and materials not manufactured by Seller, and such will be sold only with the warranties that are given by the manufacturer thereof. Seller will pass only through to its purchaser of such items the warranty granted to it by the manufacturer.

 **NuFlo Measurement Systems**  
A NuFlo Technologies Company

For representation in your area:

Cameron\_NuFlo测量系统\_流量及控制类仪表联系方式：

信德迈科技(北京)有限公司 CNMEC Technology Company

地址：北京朝阳区望京街10号望京SOHO-T1-C座2115室

邮编：100102

电话：010-8428 2935, 8428 9077, 8428 3983

手机：139 1096 2635

Http：//www.cnmec.biz

E-mail：sales@cnmec.biz

传真：010-8428 8762