



Digital Display Rate & Total - RW3/DR-1

Features:

- Large 17mm Digit Selection for Flow Rate or Total
- 16 Bit A/D Resolution
- Pulse Output According to Accumulated Total
- Password Protection of Menu and Totalizer
- 2 Wire Loop Powered Display
- Optional: Backlighting Green / Amber

Description:

Remote digital displays instantaneous flow rate, total and accumulated total. Scaled pulse output according to accumulated total. Very compact design, loop powered display with optional backlighting green / amber.

The digital display can be connected as a remote display (option DR-1) to our 4-wire transmitter output option W (4-20mA linear output signal), 2-wire loop powered transmitter option W2 or W3 (4-20mA loop powered signal) output is proportional to flow rate squared or our 2-wire loop powered transmitter option RW3 which is self contained and complete. Refer to the Installation & Programming Manual for details.

Numeric password protection prevents unauthorized access to menu. The easy to read menu prompts make the digital display so easy to program. An isolated scaled pulse output is available for hook up to a remote totalizer or batch controller. Requires 24Vdc power supply not included (option PS-24).

Specifications:

Power Input:

100mA, 24Vdc power supply (Not Included)
Input loop powered from sensor signal 4-20mA

Display:

High intensity reflective numeric and alpha numeric
LCD, UV resistant
7 and 11 digits, various symbols & measuring units
User definable: 8 times/sec. – 30 sec. – off

Data Protection:

EEPROM back up of totals every minute

Pass Code Protection

Optional:

Backlighting Green / Amber
(Requires 24Vdc Power Supply)

Environmental:

Standard Unit:

-40°F (-40°C) to +178°F (80°C)

Intrinsically Safe:

-40°F (-40°C) to +158°F (70°C)

Signal Inputs:

Signal Inputs:

Full Scale Range: 4 to 20 mA DC
Voltage Drop: 2.6Vdc @ 20mA
Update Time: 4 times / sec.
Span: 0.001 / 999,999 with variable decimal position

Signal Output:

Pulse output transmitting accumulated total
One passive transistor output (NPN)
Max. 500 Hz pulse length user definable between 1 msec up to 10 sec.

Listing:

Electromagnetic Compatibility: EN 61326 (1997), EN 61010 – 1 (1993)

Accuracy:

Resolution 16 bit error < 0.01mA / ± 0.05% F.S.
Low level cut-off programmable