

D014 DIN Panel mount - Flow rate Indicator / Totalizer

with pulse signal output



Features

- Displays flow rate, total and accumulated total.
- Large 17mm (0.67") digits for flow rate or total.
- Selectable on-screen engineering units; volumetric or mass.
- Ability to process all types of flowmeter signals.
- Auto backup of settings and running totals.
- Ambient temperature: -40°C to +80°C (-40°F to 176°F).
- LED backlight option.
- Easy configuration with clear alphanumeric display.
- Aluminum DIN front panel of 144 x 72mm (5.67" x 2.83") according DIN 43700 / IEC 61554.
- Various [accessories](#) are available for this product.

Product description

The D014 is a panel mount indicator / transmitter to display the actual flow rate, total and accumulated total. The total can be reset to zero by pressing the CLEAR button twice. The non-resettable accumulated total can register up to 11 digits and is backed-up in EEPROM memory every minute, just as the running total. Related to the accumulated total, a scaled pulse is generated for re-transmitting the count on the display.

Advantages

- Unique, robust IP66, IP67 (NEMA Type4X) panel mount front enclosure made of die cast aluminum, allowing even big jets of water and total immersion.
- Familiar easy operation with the Fluidwell "Know one, know them all" configuration structure, saving time, cost and aggravation.

Applications

- The D014 fits in flow measurement applications where re-transmission of the totalizer function is required.
- The D-Series is a DIN-sized display and the **better alternative** for your existing, not waterproof, front panel mount indicators in extreme weather outdoor applications or e.g. in food industries where working environments are often cleaned with powerful water jets.

Product specifications

Signal Inputs

Flowmeter Inputs

- Pulse type inputs:
Reed-switch, NAMUR, NPN/PNP pulse, Sine wave (coil), active pulse signal.
- (0)4 – 20mA.
- 0 – 10V DC.

Supply

Power Supply

- Basic: 8 - 30V DC (no real sensor supply).
- Long life Lithium battery.
- 4 – 20mA input Loop-powered.
- 24V AC/DC + sensor supply.
- 115 – 230V AC + sensor supply.

Sensor Supply

- 1.2 / 3V DC.
- 8.2, 12 & 24V DC.

Signal Outputs

Pulse outputs

- Function: Scaled pulse output according to accumulated total (e.g. one pulse every 3.25 gallons).
Max. frequency: 500Hz.
Adjustable pulse length from 1 msec. to 10 seconds.
- Type: One passive signal output, an active signal output or a robust, highly isolated (NO/NC) relay.

Alarm outputs

- None.

Analog outputs

- None.

Hazardous Area

Intrinsically Safe

- For Intrinsically Safe applications we recommend the F-Series.

Explosion Proof

- For Explosion Proof applications we recommend the E-Series.

Communication

- Modbus communication available on F1-Series products.
- HART communication is available with the F018 Flow rate Monitor / Totalizer.



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We're happy to answer any questions about our products and services.
Just send us an email or give us a call.