

D016 DIN Panel mount - Flow rate Indicator / Totalizer

with linearization and pulse signal output



Features

- Displays flow rate, total and accumulated total.
- Eight point linearization of the flowcurve - with interpolation.
- Large 17mm (0.67") digits for flow rate or total.
- Selectable on-screen engineering units; volumetric or mass.
- Ability to process all types of pulse 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 D016 is a panel mount indicator / transmitter with linearization to display the actual flow rate, total and accumulated total. The total can be reset to zero by pressing the CLEAR button twice. The eleven digit accumulated total however can not be reset to zero. In addition to the average K-Factor or Span, eight linearization points can be entered with there frequencies or values. The unit will interpolate between these points greatly enhancing accuracy in any flowrange. Even for very low frequency applications is catered for. This linearization affects all displayed information as well as the pulse output.

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 D016 fits in flow measurement applications with mechanical flowmeters where a precise calculation over the full measurement range is required and re-transmission of the totalizer function is desired.
- 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.

Supply

Power Supply

- Basic: 8 - 30V DC (no real sensor supply).
- Long life Lithium battery.
- 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 linearised 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.