ECONOMICAL 4 to 20 mA LOOP-POWERED INDICATOR

For Rate or Rate and Total

DPF301 Starts at



- Available with Dual Rate/Total, Display
- Linear or Square Root Extraction of Input
- 8-Digit Totaliser Display
- Calibration Fully Programmable Through Keypad

The DPF301 Series comprises 4 to 20 mA loop-powered panel-mount indicators that display process variables in engineering units (GPM, LPM, psig, %RH, etc.), with an adjustable decimal point for rate and total display. Because these indicators take power directly from the current loop, the user can perform programming on the front keypad; there are no jumpers to configure or potentiometers to scale. An internal lithium battery ensures that all programming is retained in memory, even when the loop power is disconnected. The DPF301 can be programmed for either a linear input or square root extraction for use with differential pressure flowmeters.

The DPF301 general purpose indicator features one 4½ digit rate display, while the DPF302 flow indicator has a dual, 2-line, 4½ digit rate display and 8-digit totaliser. The totaliser can be reset from either the front keypad or remotely via a contact closure.

The DPF300 Series indicators are available in a choice of panel-mount, IP66 (NEMA 4X), or explosion-resistant enclosures.



MOST POPULAR MODELS HIGHLIGHTED!

To Order	(Specify Model Number)
Model No.	Description
DPF301	General purpose panel-mounted 4 to 20 mA loop-powered ratemeter/indicator
DPF302	Panel-mounted 4 to 20 mA loop-powered ratemeter and totaliser for flow
EE-2682	Reference Book: Mathematics for Engineers and Technologies

Comes with complete operator's manual.

For IP66 (NEMA 4X) polycarbonate enclosure, add suffix "-NEMA" to model number and add to price.

For explosion-resistant housing, add suffix "-EXP" to model number and add to price.

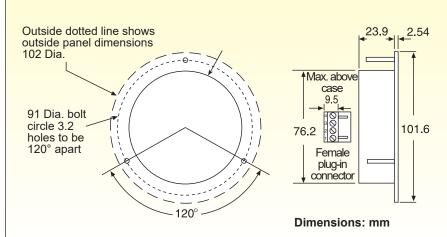
Ordering Examples: DPF301-EXP, loop-powered ratemeter/indicator with optional explosion-resistant housing, DPF302-NEMA, panel-mounted 4 to 20 mA loop-powered ratemeter/totaliser, OCW-3, OMEGACARESM extends standard 2-year warranty to a total of 5 years,

OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labour and equivalent loaners.



Available in a choice of panel-mount, IP66 (NEMA 4X) or explosion-resistant enclosures

DPF301 General Purpose Ratemeter/Indicator



SPECIFICATIONS

Scalable Input Range: 3.8 to 21 mA

Internal Battery (Memory Only): 3 V 250 mAh lithium included (2-year standby life)

Rate Display (DPF301 and DPF302): 4½ digits max (19999), 8.89 mm high

Totaliser Display (DPF302 Only): 8 Digits (9999999), 5.08 mm high

Rate Descriptors:

/sec, /min, /hr or "blank"

Unit Descriptors:

Gal, Lit, FT3, M3, "blank"

Display Indications: Low battery and

under/over range

Input: 4 to 20 mA DC, overcurrent protection to 60 mA, reverse

polarity protected

Loop Voltage Drop: 6 V max

Housing

Standard: Round panel mount with IP66 (NEMA 4X) sealed keypad

membrane

Optional: Glass-filled polycarbonate IP66 (NEMA 4X) enclosure, or explosion-resistant housing for NEMA 7, IP66 (NEMA 4), Class I, Groups B, C and D; Class II, Groups E, F and G

Ambient Temperature:

-20 to 70°C

Extended Temp Option:

-30 to 70°C

Accuracy (Rated @ 20°C): 0.1% FS resolution, ±1 count

Temperature Drift: 50 ppm/°C typical,

200 ppm/°C worst case

Low Cutoff: A rate below 1% of selected scale (10% of square root scale) will assume the "set lo" value Update Rate: For rate or total, once

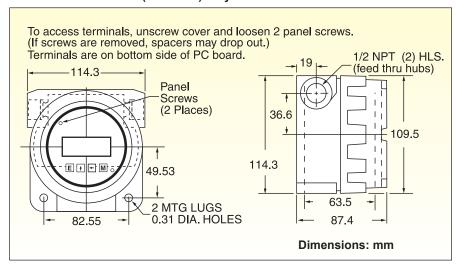
every 2 seconds

Weight:

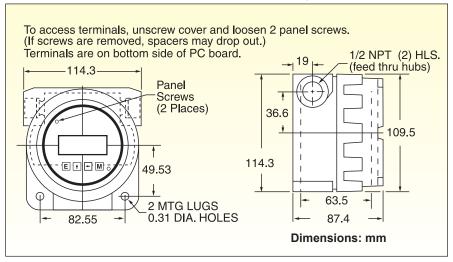
Basic Unit: 227 g

With NEMA Enclosure: 454 g With Explosion-Resistant Housing: 1.6 kg

IP66 (NEMA 4X) Polycarbonate Enclosure



Explosion-Resistant Housing



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Your One-Stop Source for Process Measurement and Control!

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