

Process Indicators

Miniature 1/32 DIN and Loop-Powered 1/8 DIN Models



DP35 Series
Starts at



DP35 1/8 DIN loop-powered LCD meter, shown smaller than actual size.

- ✓ 3½ Digit Display
- ✓ User-Selectable Inputs
- ✓ Minimal Panel Depth
- ✓ ±0.2% Accuracy
- ✓ 10 to 30 Vdc Power, Isolated
- ✓ Scalable to Engineering Units, with Selectable Decimal Point

The DPM35A is a compact process indicator, requiring only 70 mm (2.8") of depth behind a panel. It uses a 45 x 22.2 mm (1.77 x 0.87") 1/32 DIN cutout, and has large, 10 mm (0.4") display digits and a rear screw-clamp connector for inputs.

The DPM35A can accept input voltage ranges from 0 to 200 Vdc and current from 0 to 50 mA. The unit can be scaled for both zero and span to display in engineering units. The decimal point position is jumper-selectable.

The DP35 is a 1/8 DIN loop-powered process indicator that can be configured for 1 of 3 input ranges: 1 to 5 mA, 4 to 20 mA, or 10 to 50 mA. Like the DPM35A, the DP35 can be scaled for both zero and span to display in engineering units and has a jumper-selectable decimal point position.

Specifications

Display: 3½ digit, 0 to 1999; 7-segment
DPM35A: Red LED
DP35: LCD

Display Height:

DPM35A: 10 mm (0.39")
DP35: 12.7 mm (0.5")

Inputs:

DPM35A: 0 to 200 Vdc or 0 to 20 mA
DP35: 1 to 5 mA, 4 to 20 mA, 10 to 50 mA (jumper-selectable)

Input Configuration: Bipolar single

A/D Converter: Dual slope, average value

Reading Rate:

DP35: 3/s
DPM35A: 2.5/s

CMRR: 65 dB

Warm-Up to Rated Accuracy: 2 min

Polarity: Automatic, minus sign indicator

Accuracy:

DPM35A: 0.2% ±1 count;
DP35: 0.2% ±1 count

Span Temp Coefficient:

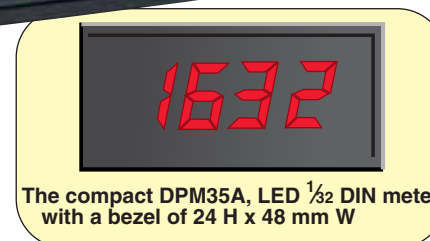
DP35: 80 ppm
DPM35A: <50 ppm

Zero Temp Coefficient: 2 µV/°C

Overrange:

DP35: Only "1" or "-1" displayed
DPM35A: Positive = display blank, negative = "-" is displayed

Decimal Point: Jumper-selectable for 1.XXX, 1X.XX or 1XX.X



The compact DPM35A, LED 1/32 DIN meter with a bezel of 24 H x 48 mm W

Operating Temperature:

DPM35A: -20 to 60°C (-4 to 140°F)
DP35: 0 to 70°C (32 to 158°F)

Power: 10 to 30 Vdc, isolated

Ripple: 10%

Power Consumption:

DP35: 0.3 mA
DPM35A: 0.6 W @ 24 Vdc

Electrical Connection:

Screw-clamp connector

Dimensions:

DPM35A: 24 H x 48 W x 70 mm D
 (0.94 x 1.89 x 2.76")
DP35: 48 H x 96 W x 117 mm D
 (1.89 x 3.78 x 4.61")

Panel Cutout:

DPM35A: 22.2 x 45 mm
 (0.87 x 1.77")
DP35: 44.5 x 92.5 mm
 (1.75 x 3.64"); DIN 43700

Weight:

DPM35A: 60 g (2.1 oz)
DP35: 150 g (5.3 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Description
DPM35A	1/32 DIN LED process indicator
DP35	1/8 DIN LCD process indicator, loop powered

Comes with complete operator's manual.

Ordering Example: DPM35A, 1/32 DIN process indicator,

Accessory

Model No.	Description
AV-1043	Reference Book: Dictionary of Scientific and Technical Terms





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