

# Process Indicators

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



DP35 Series Starts at



- ✓ 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)

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



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

### 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

### 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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