

ECONOMICAL DIGITAL TRANSDUCER INDICATORS FOR STRAIN GAGE OR PROCESS INPUTS

DP302 Series

Starts at
\$185



DP302-S digital indicator, \$310, shown smaller than actual size, with LCGD-100 load cell, \$590, see section F.

- ✓ AC Power Standard; DC Power Optional
- ✓ Models Available for Millivolts, Voltage, or Current Output Type Transducers
- ✓ Easily Scaled to Display Readings in Engineering Units
- ✓ 3½ or 4½ Digit Models Available

The DP302 and DP3002 low-cost digital panel meters are designed for applications in which only indication is required. The DP302 models have a 3½ digit display that can read ±1999 counts. The DP3002 models have a 4½ digit display and can read ±19999 counts. Both models can easily be scaled to display engineering units.

SPECIFICATIONS

Accuracy:
 DP302: ±0.05% of span + 1 count
 DP3002: ±0.01 % of span + 2 counts

Operating Temp: 0 to 60°C (32 to 140°F)

Span Temp Coefficient: ±0.01% of span/°C

Zero Temp Coefficient:
 DP302: ±0.1 count/°C
 DP3002: ±0.5 count/°C

Storage Temperature: -40 to 85°C (-40 to 185°F)

Humidity: 95% RH to 40°C (100°F) (non-condensing)

CMRR: 120 dB from DC to 60 Hz

Common Mode Voltage: 1500 Vp per HV test, 354 Vp per IEC spacing

NMRR: 56 dB at 50/60 Hz

Display Type: 7-segment, red LED

Display Digits:
 DP302: 3½ (±1999 counts)
 DP3002: 4½ (±19999 counts)

Digit Height: 14.2 mm (0.56")
Conversion Rate: 2.5/s

POWER REQUIREMENTS

AC Models: 115 Vac ±15%, 230 Vac ±15% (optional)
Frequency Range: 47 to 400 Hz
DC Models: 9 to 32 Vdc (300 V isolation)
Power Consumption: 2.4 W (3.7 W with excitation)
Excitation: Adjustable 10 to 24 Vdc @ 30 mA ("E" and "S" models only)

MECHANICAL SPECIFICATIONS

Bezel: 96 W x 48 H x 5.1 mm D (3.78 x 1.89 x 0.20")
Depth Behind Bezel: 104 mm (4.09")
Panel Cutout: 92 W x 45 mm H (3.62 x 1.77")
Weight: 425 g (15 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	DIGITS	PRICE	INPUT RANGES*	EXCITATION
DP302-P	3½	\$185	4 to 20 mA, 1 to 5 Vdc, 0 to 10 Vdc	None
DP302-E	3½	245	4 to 20 mA, 1 to 5 Vdc, 0 to 10 Vdc	10 to 24 Vdc
DP302-S	3½	275	±20 mVdc, 200 mVdc, 2 Vdc	10 to 24 Vdc
DP3002-P	4½	270	4 to 20 mA, 1 to 5 Vdc, 0 to 10 Vdc	None
DP3002-E	4½	285	4 to 20 mA, 1 to 5 Vdc, 0 to 10 Vdc	10 to 24 Vdc
DP3002-S	4½	310	±20 mVdc, 200 mVdc, 2 Vdc	10 to 24 Vdc

* Input ranges selected by internal jumpers.

For 230 Vac power, add suffix "-230", no extra charge.
 For 9 to 32 Vdc power, add suffix "-DC" and add \$120 to price.

Ordering Example: DP3002-P, 4½ digit display process panel meter, \$270.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CE-1910	\$185	Reference Book: Applied Structural and Mechanical Vibrations



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