

# HIGH-PERFORMANCE INDICATOR FOR USE WITH AC-OUTPUT LVDT

## DPL53 Series 5-Digit Display for AC LVDTs

DPL53  
£535



DPL53, £535, shown smaller than actual size.



LD300-15, displacement transducer, £315.



GP911-1-S, gaging probe, £224.

- ✓ 3 V or 5 Vrms Excitation
- ✓ Standard Dual Relays, Analogue Output, and RS232 Serial Output
- ✓ Large, 5-Digit Scalable Display
- ✓ Maximum, Minimum, and Averaging Functions
- ✓ 2, 4, or 10 Readings per Second Update
- ✓ Can be Powered by 90 to 265 Vac
- ✓ High-Speed Analogue Output

The DPL53 is a high-performance, high-accuracy, single-channel transducer-conditioning device with a microprocessor-controlled, 5-digit scalable display. Five front-panel pushbuttons allow for simple calibration. All calibration values are stored in non-volatile memory to minimise setup procedures after a power failure. The meter has 2 alarm relays, which can be used for control, voltage and current analogue output for signal retransmission, and RS232 serial output for use with a computer or printer. The 14.7 mm (0.58")

high LED digits are easy to read. Industrial users will find the DPL53 invaluable in automatic processing and testing, which requires a direct readout down to 1/10,000 mm or inch.

### SPECIFICATIONS

**Accuracy:**  $\pm 0.2\%$  FS  $\pm 1$  count  
**Input Ranges:** 0.05 to 5 Vrms  
**Resolution:** 18-bit  
**Input Resistance:**  $>100$  k $\Omega$   
**Excitation:** Sine wave 3 or 5 Vrms @ 5.0 or 2.5 kHz, selectable  
**Display Type:** Green LED, 14.7 mm (0.58") high digits  
**Display Digits:**  $5\frac{1}{2}$  digit ( $\pm 19999$ )  
**Setpoints:** Front-panel programming with high/low and hysteresis selectability  
**RS232 Output:** ACSII characters, bidirectional, 300 to 9600 baud rate

**Analogue Output:** 0 to 10 V @ 10 mA, 0 to 20 mA or 4 to 20 mA @ 12 Vdc

**Operating Temperature:** 0 to 50°C (32 to 122°F)

**Storage Temperature:** -10 to 70°C (14 to 158°F)

**Span Temperature Coefficient:**  $\pm 50$  ppm/°C

**Warm-Up Time:** 1 hour

**Input Connection:** Screw terminal

**Power Requirement:** Between 90 and 265 Vac @ 50 to 60 Hz

**Power Consumption:** 120 VA max

**Dimensions:** 48 H x 93 W x 173 mm D (1.89 x 3.66 x 6.8")

**Panel Cutout:** 44.5 H x 93 mm W (1.75 x 3.66")

**Weight:** 0.4 kg (0.88 lb)

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### To Order (Specify Model Number)

MODEL NO.	PRICE	COMPATIBLE TRANSDUCERS
DPL53	£535	LD200, LD300, LD310, LD320

Comes with complete operator's manual.

Ordering Example: DPL53, LVDT indicator, £535.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ES-2062	£56	Reference Book: Hazardous Gases and Fumes





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