

# DLR334/DLR3110

## Digital Pressure Indicator



DLR334 - Table top model



DLR334 - Table top/panel mount model



DLR3110 - 19 inch rack-mount version of DLR334 plus precision patented valve assembly and vernier, test port and test hose, pressure limit control and monitor.\*\*\*  
Test port may be mounted on front or rear of unit

**Please refer to price schedule for part numbers and part numbering guide.**

With high-accuracy features and a full range of options, the DLR334 digital pressure indicator and the DLR3110 19 inch rack-mount are the obvious choice for a wide range of pressure applications.

From jet engine to automotive, machine tool to general manufacturing, the DLR334 and DLR3110 are perfect for use in test stand monitoring. With large red LEDs, selectable resolution, up to 20 selectable engineering units, and up to 0.05% of reading accuracy, these unique models provide reliable, repeatable performance up to 10,000 psi.

Flexible features and options also allow the DLR334 and DLR3110 to serve as calibrators. Other advantages, such as a variety of network communications capabilities, peak hold and freeze modes, and optional relays and setpoints, only enhance the DLR334 and DLR3110's performance power. The DLR334 panel mount or table top and the 19 inch rack-mounted DLR3110 lend themselves to custom use in calibrating a variety of devices, including pressure gauges, pressure transducers, pressure switches, relief valves, and burst discs.

The DLR334 and DLR3110...providing the ultimate in accuracy and affordability for high-pressure applications.

## Applications

- Test stands
- On-site manufacturing pressure monitoring
- Transfer standard
- Low-cost digital data logging of readings

## Standard Features

- Three models available:
  - DLR334 table top model
  - DLR334 table top/panel mount model
  - DLR3110 19 inch rack-mounted version
- 115 or 230 VAC operation
- Ranges from vacuum to 10,000 psi
- 20 selectable engineering units
- Freeze mode for pressure switch testing
- 0.05% of reading, 0.1% of reading, or the economical 0.25% of reading model
- Selectable resolution
- NIST traceable
- Digital outputs: RS-232, RS-422, and RS-485
- Min/Max pressure readings
- Accuracy is percent of reading from 20% of full scale

## Options/Accessories

23113\*\* ..... TMU295 ticket printer

81076\*\* ..... TM-U220D tape printer

15547 ..... 25-pin printer interface cable

19297 ..... DLR334 panel mount adapter kit (included in panel mount models, not available for black extruded model)

63255 ..... Additional operating and maintenance manual for DLR334

### DLR3110 only

58478 ..... Pressure trap (5000 psi and above)  
Literature sheet PN 58596

58483 ..... Pressure trap (250-2500 psi)  
Literature sheet PN 58609

58487 ..... Pressure trap (3-100 psi)  
Literature sheet PN 58621

74843 ..... Additional operating and maintenance manual for DLR3110

55279 ..... Additional test port (output) 5 ft. long hose with quick-disconnect plug (SST) on one end and 1/4 in. 37° female AN swivel tube coupling on the other end (DLR3110 250-2500 psi operation)

55280 ..... Additional test port (output) 4-1/2 ft. long hose with quick-disconnect (SST) plug on one end and 1/4 in. 37° female AN swivel pressure fitting on opposite end. (DLR3110 5000 psi and above operation)

55281 ..... Additional test port (output) 5 ft. long hose with quick-disconnect plug (brass) on one end and 1/4 in. 37° female AN swivel tube coupling on the other end. (DLR3110 3-100 psi operation)

### Additional options available\*

Standard unit plus two relays and setpoints

Standard unit plus 0-10 VDC and 4-20 mA outputs

Standard unit plus parallel BCD output

\* Please refer to price pages for part numbers and part numbering guide.

\*\* Consult factory for printer specifications.

\*\*\* Pressure limit control and monitor are not required for 5000 psi models and above.

**OVERALL ACCURACY:**

0.05% of reading, 0.1% of reading, 0.25% of reading all from 20% of full scale and above. Below 20% of full scale units remain 0.05%, 0.1%, or 0.25% of 20% of full scale range. Includes all effects of linearity, hysteresis, repeatability, and ambient temperature. No temperature effect from 40°F to 140°F. NIST traceable.

**TEMPERATURE RANGE:**

Operating: 40°F to 140°F (4°C to 60°C)

Storage: 0°F to 185°F (-17°C to 85°C)

Warm up: 3 minutes to rated accuracy, 15 minutes to complete stability

**CALIBRATION:**

Full NIST traceability. Calibration points can be adjustable for operator convenience. Calibration via front panel and/or digital interface.

**RESOLUTION:**

Adjustable, 50,000 display counts (maximum) of range

**DISPLAY SIZE:**

Two-line, six-digit, 0.6 in. high numeric display, eight alpha characters per line, three annunciator light bars, bright red Light Emitting Diode (LED)

**PRESSURE HOSE (DLR3110 ONLY):**

Quantity supplied: One output

Length: 4 ft. nominal

**DISPLAY UPDATE:**

Adjustable, 100 ms maximum

**MEDIA COMPATIBILITY:**

Any media compatible with 17-4PH or 15-5PH stainless steel

**OVERPRESSURE:**

200% of range (minimum)

**POWER REQUIREMENTS:**

115 or 230 VAC

**CASE MATERIAL:**

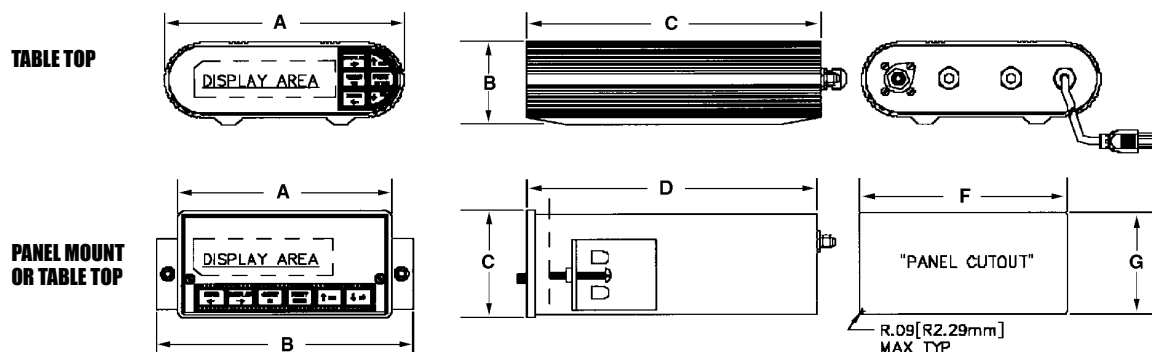
Single piece extruded aluminum or panel mount sheet metal

**WEIGHT:**

DLR334 Table top: 7.5 lb (3.4 kg)

DLR334 Panel mount or table top: 8.7 lb (3.9 kg)

DLR3110: 19 lb (8.6 kg)



**DIMENSIONS**

**DLR334 - Table Top Model**

A = 8.46 in. (214 mm)      C = 10.5 in. (266.70 mm)

B = 2.94 in. (74.67 mm)

**DLR334 - Panel Mount or Table Top Model**

A = 7.56 in. (192.02 mm)      D = 10.35 in. (262.89 mm)

B = 9.14 in. (232.15 mm)      F = 7.38 in. ±0.03 (187.45 mm)

C = 3.78 in. (96.01 mm)      G = 3.6 in. ±0.03 (91.44 mm)

**DLR3110 - 19 inch Rack-mount (not shown)**

19 in. W x 7 in. H x 10 in. deep (482.6 mm x 177.8 mm x 254 mm)

Excluding front handles

Rack-mount dimensions are for reference only. Consult factory for cutout dimensions.