DLR334 Digital Pressure Indicator

DLR334 - Table top model

DLR334 -Table top/panel mount model

Additional model available:

DLR3110 - 19 inch wide Rack-Mountable Version of DLR334 with patented precision ORION valve assembly and vernier.

DIMENSIONS	
DLR334 - Table Top Model	
A	8.46 in. (214 mm)
B	2.94 in. (74.67 mm)
C	10.5 in. (266.70 mm)
DLR334 - Panel Mount or Table Top Model	
A	7.56 in. (192.02 mm)
B	9.14 in. (232.15 mm)
C	3.78 in. (96.01 mm)
D	10.35 in. (262.89 mm)
E	7.38 in. ±0.03 (187.45 mm)
F	3.6 in. ±0.03 (91.44 mm)

STANDARD FEATURES

- 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
- Digital outputs: RS-232, RS-422, and RS-485
- Min/Max pressure readings
- Accuracy is percent of reading from 20% of F.S.
- Different technicians can operate the unit and get identical results...every time
- Gases or Fluids compatible with 17-4PH or 15-5PH may be used
- Calibration Certificate included - traceable to the National Institute of Standards and Technology (NIST)

APPLICATIONS

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

SPECIFICATIONS

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)

Display Update:
Adjustable, 100 ms maximum

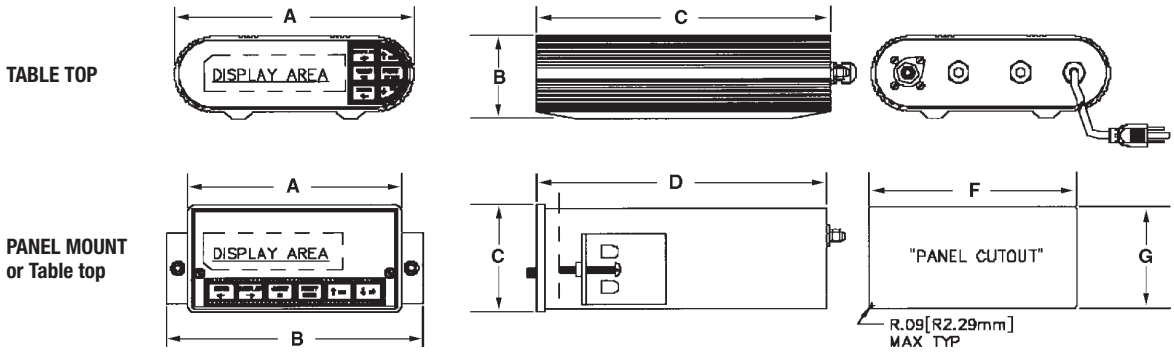
Media Compatibility:
Any media compatible with 17-4PH or 15-5PH stainless steel

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)



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DLR334 Digital Pressure Indicator

MODEL/PRICE

MODEL CONFIGURATION	DESCRIPTION	EST. SHIP WEIGHT	PRICE
DLR334 A(_)(_)AA	Table top, 0.05%, standard unit	9 lb	Consult
DLR334 A(_)(_)BA****	Table top, 0.1%, standard unit	9 lb	Consult
DLR334 A(_)(_)CA	Table top, 0.25%, standard unit	9 lb	Consult
DLR334 C(_)(_)AA	Table top w/rubber feet, 0.05%, standard unit	7 lb	Consult
DLR334 C(_)(_)BA****	Table top w/rubber feet, 0.1%, standard unit	7 lb	Consult
DLR334 C(_)(_)CA	Table top w/rubber feet, 0.25%, standard unit	7 lb	Consult
DLR334 D(_)(_)AA	Panel mount, 0.05% standard unit	7 lb	Consult
DLR334 D(_)(_)BA****	Panel mount, 0.1% standard unit	7 lb	Consult
DLR334 D(_)(_)CA	Panel mount, 0.25% standard unit	7 lb	Consult

*****PSIA not available in 0.1% accuracy models*

OPTIONS/ACCESSORIES

PART #	DESCRIPTION	PRICE
19297	DLR334 panel mount adapter kit (included in panel mount models, not available for black extruded model)	Consult
63255	Additional operating and maintenance manual for DLR334	Consult
74844	Two relays and setpoint option supplement manual	Consult
74845	Duplex serial protocol manual	Consult

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

DLR334 Model Numbering Guide

DLR334 (_) (_) (_) (_) (_)

ENCLOSURE
A = Table top unit (single piece aluminum extrusion)**
C = Tan Rectangular Table top unit w/rubber feet
D = Tan Rectangular Panel mount unit (add'l cost consult)***

POWER
A = 115 VAC, 50/60 Hz
D = 230 VAC, 50/60 Hz

RANGE

A = 0-3 psig	G = 0-250 psig	M = 0-10,000 psig *add'l cost $700.00*	T = 0-250 psia
B = 0-10 psig	H = 0-500 psig		V = 0-500 psia*
C = 0-15 psig	J = 0-1000 psig	N = 0-15 psia	W = 0-1000 psia*
D = 0-25 psig	K = 0-2500 psig	P = 0-25 psia	Y = 0-2500 psia*
E = 0-50 psig	L = 0-5000 psig	R = 0-50 psia	Z = 0-10,000 psia*
F = 100 psig	*add'l cost consult*	S = 0-100 psia	*add'l cost consult*

ACCURACY
A = 0.05% Indicate value from 20% full scale. **Base cost consult**
B = 0.1% Indicate value from 20% full scale****. **Base cost consult**
C = 0.25% Indicate value from 20% full scale. **Base cost consult**

OPTIONS
A = Standard unit which includes multiple engineering units, min/max, freeze mode, RS-232, RS422, & RS485
B = Standard unit plus two relays and setpoints option (add'l cost consult)**
C = Standard unit plus 0-10 VDC and 4-20 mA outputs (add'l cost consult)**
D = Standard unit plus parallel BCD output (add'l cost consult)**

*NOTE: Pressure ranges V, W, Y, and Z are not available in the 0.25% accuracy rating.
***NOTE: Includes panel mount brackets.
****NOTE: PSIA not available in 0.1% accuracy models.

Determine model configuration before ordering
Example: DLR334ADAAA = DLR334 (A) Table top unit, **(D)**230 VAC, **(A)**0-3 psig, **(A)**0.05%, **(A)**standard unit

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