

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

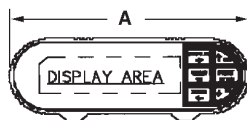
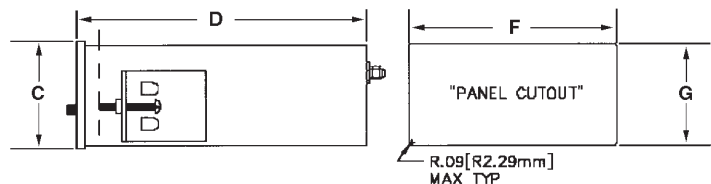
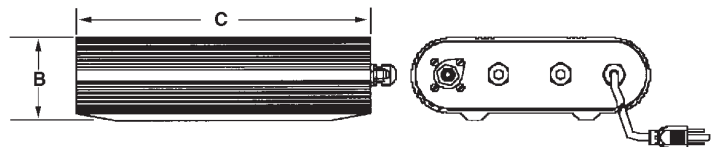
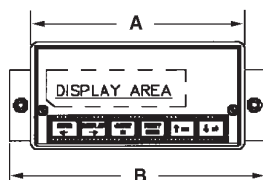
Case Material:

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)

TABLE TOP

PANEL MOUNT
or Table top

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	N = 0-15 psia	V = 0-500 psia*
C = 0-15 psig	J = 0-1000 psig	P = 0-25 psia	W = 0-1000 psia*
D = 0-25 psig	K = 0-2500 psig	R = 0-50 psia	Y = 0-2500 psia*
E = 0-50 psig	L = 0-5000 psig add'l cost consult	S = 0-100 psia	Z = 0-10,000 psia*
F = 100 psig			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

DLR3110 Digital Pressure Standard

DLR3110 - 19 inch wide rack-mountable version of DLR334 plus precision patented Orion 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

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

STANDARD FEATURES

- Test port placement may be configured for front or rear of unit
- 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 full scale
- Different technicians can operate the system and get identical results...every time
- Pneumatic only - no hydraulics or distilled water messes
- 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)

Pressure Hose:

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:

16 gauge, mild steel with textured finish, baked epoxy enamel paint

Weight:

DLR3110: 19 lb (8.6 kg)

Overall Dimensions:

19 W x 7 H (EIA 4U) x 10 in. deep (482.6 W x 177.8 H (4 HE) x 254 mm) Excluding front handles

DLR3110 Model Numbering Guide

DLR3110 () () () () ()

MOUNTING

A = 19 in rack-mount (with test port on rear of unit, **add'l cost consult**)

B = 19 in rack-mount with test port on front of unit

POWER

A = 115 VAC, 50/60 Hz

D = 230 VAC, 50/60 Hz

RANGE

A = 0-3 psig G = 0-250 psig

B = 0-10 psig H = 0-500 psig

C = 0-15 psig J = 0-1000 psig

D = 0-25 psig K = 0-2500 psig

E = 0-50 psig L = 0-5000 psig

F = 0-100 psig **add'l cost consult**

M = 0-10,000 psig

add'l cost consult

N = 0-15 psia

P = 0-25 psia

R = 0-50 psia

S = 0-100 psia

T = 0-250 psia

V = 0-500 psia*

W = 0-1000 psia*

Y = 0-2500 psia*

Z = 0-10,000 psia*

add'l cost consult

ACCURACY

A = 0.05% indicated value from 20% full scale. **Base cost consult**

B = 0.1% indicated value from 20% full scale**. **Base cost consult**

C = 0.25% indicated value from 20% full scale. **Base cost consult**

OPTIONS

A = Standard unit which includes multiple conversion units, min/max, freeze mode, RS232, RS422, & RS485

B = Standard unit plus two relays and setpoints option (**add'l cost consult**)

C = Standard unit plus selectable scalable analog output (**add'l cost consult**)

0-5 VDC, 1-6 VDC, 0-10 VDC, 0-20 mA, and 4-20 mA outputs

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: PSIA not available in 0.1% accuracy models.

Determine model configuration before ordering

Example: DLR3110ADAAA = DLR3110 (A) 19 inch rack-mount, (D) 230 VAC, (A) 0-3 psig, (A) 0.05%, (A) standard unit

DLR3110 Digital Pressure Standard**MODEL/PRICE**

MODEL CONFIGURATION	DESCRIPTION	EST. SHIP WEIGHT	PRICE
DLR3110 A(_)(_)A(_)	19 in rack-mount, test port on rear of unit, 0.05%	19 lb	Consult
DLR3110 A(_)(_)B(_)**	19 in rack-mount, test port on rear of unit, 0.1%	19 lb	Consult
DLR3110 A(_)(_)C(_)	19 in rack-mount, test port on rear of unit, 0.25%	19 lb	Consult
DLR3110 B(_)(_)A(_)	19 in rack-mount, test port on front of unit, 0.05%	19 lb	Consult
DLR3110 B(_)(_)B(_)**	19 in rack-mount, test port on front of unit, 0.1%	19 lb	Consult
DLR3110 B(_)(_)C(_)	19 in rack-mount, test port on front of unit,, 0.25%	19 lb	Consult

**PSIA not available in 0.1% accuracy models.



58483



58478



58487

OPTIONS/ACCESSORIES

PRICE	DESCRIPTION	PRICE
58478	Pressure trap (DLR3110, 5000 psi and above) Literature sheet PN 58596	Consult
58483	Pressure trap (DLR3110, 250-2500 psi) Literature sheet PN 58609	Consult
58487	Pressure trap (DLR3110, 3-100 psi) Literature sheet PN 58621	Consult
74843	Additional operating and maintenance manual for DLR3110	Consult
74844	Two relays and setpoint option supplement manual	Consult
74845	Duplex serial protocol manual	Consult
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)	Consult
55328	Additional test port (output) 10 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)	Consult
55336	Additional test port (output) 15 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)	Consult
55341	Additional test port (output) 20 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)	Consult
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)	Consult
55300	Additional test port (output) 10 ft. long hose with quick-disconnect plug (SST) on one end and 1/4 inch 37° female AN swivel tube coupling on the other end (DLR3110 250-2500 psi operation).	Consult
55304	Additional test port (output) 15 ft. long hose with quick-disconnect plug (SST) on one end and 1/4 inch 37° female AN swivel tube coupling on the other end (DLR3110 250-2500 psi operation).	Consult
55310	Additional test port (output) 20 ft. long hose with quick-disconnect plug (SST) on one end and 1/4 inch 37° female AN swivel tube coupling on the other end (DLR3110 250-2500 psi operation)	Consult
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)	Consult
131096	Additional test port (output) 10 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)	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