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

APPLICATIONS

- Test stands
- On-site manufacturing pressure monitoring

- 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)
- 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:

complete stability

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

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:

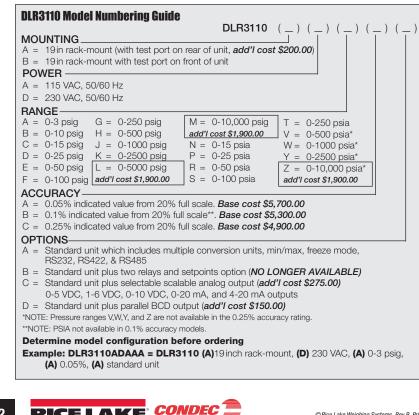
16 gauge, mild steel with textured finish, baked epoxy enamel paint

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



Genuine Quality, Pro

RICE LAKE

WEIGHING SYSTEMS

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.





74843	Additional operating and maintenance manual for DLR3110	Consult
55281	Additional test port (output) 5 ft. long hose, 2500 psig working pressure, 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.	Consult

OPTIONS/ACCESSORIES

Literature sheet PN 58596

Pressure trap (DLR3110, 5000 psi and above)

Pressure trap (DLR3110, 250-2500 psi) Literature sheet PN 58609

Pressure trap (DLR3110, 3-100 psi) Literature sheet PN 58621

DESCRIPTION

PRICE

58478

58483

58487

Additional options available:

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

PRICE

Consult

Consult

Consult



37° female AN swivel pressure fitting on opposite end. (DLR3110 5000 psi and above operation)

