



Druck

D P I 6 0 5 R

Rack Mount Precision Pressure Indicator

- Pressure ranges from -14.5 to 10,000 psi
- Precision 0.025% of reading
- Dual pressure/electrical readout
- Voltage, current and temperature measurement
- Ideal for calibration bench applications
- Data storage and standard RS 232 interface



Rack Mount Precision Pressure Indicator

The DPI 605R is a rack mounting version of the popular DPI 605 precision portable pressure calibrator. It is ideal for use within fixed installations where high accuracy measurement of pressure and electrical parameters is required. Advanced communications are provided and optional PC software is available to provide a full test and calibration management solution.

STANDARD SPECIFICATIONS

General

Measurement specifications are as detailed for the DPI 605 portable calibrator, excluding the pressure generation capability. Specifications apply as for the -14.5 to 300 psi calibrator version for pressure, temperature, electrical and RS 232 interface, except as listed below. Please refer to the DPI 605 series datasheet for the general specifications.

Performance

For the auto range sensors (-14.5 to 300 psi range), static precision including 90 day stability:

$\pm 0.025\%$ rdg for values 1% to 100% F.S.
 $\pm 0.00025\%$ F.S. for values below 1%
 or $\pm 0.04\%$ rdg $\pm 0.0004\%$ F.S.

Readout

1.5" x 5.2" emissive LCD graphics panel. 240 x 64 pixels. Backlight with cold cathode tube.

Power Supply

90 to 260 V a.c. 47 to 440 Hz. 10 VA.

Physical

Weight 9 lb. Front panel to IEC Standard 297-3.
 Dimensions 12" x 5.1" x 9".

OPTIONS

(A) Precision Barometric Reference.

(B) External transducers - 10 maximum.

(C) Temperature PT100 probe.

Please refer to DPI 605 datasheet for full option specifications.

Note: DPI 605 Options D, E and F are not available for the DPI 605R.

(G1) Linkpak-W Calibration Software (P/N LP DPI)

Designed to link Druck portable calibrator to a single instrument database. Calibration certificates contain the information required to meet quality and regulatory approvals such as ISO 9000 and FDA.



(G2) Intecal-W Calibration Software (P/N IC DPI)

Intecal-W is an easy to use calibration management package. Multiple databases can be created to organize data storage. A powerful search engine makes it simple to retrieve instrument data. Unauthorized entry is prevented by a four level security password system.



(H) Internal Secondary Range

It is possible to have a secondary internal pressure range (maximum value 5000 psi gauge). The specification is the same as for external transducers. Note: External transducers cannot be provided with this option.

SUPPLIED AS STANDARD

The following items are supplied with the instrument:

Electrical test probes.

RS 232 mating connector (DB9)

Handbook and calibration certificates.

CALIBRATION STANDARDS

Instruments manufactured by Druck are calibrated against precision pressure calibration equipment traceable to International Standards.

RELATED PRODUCTS

Laboratory, workshop and field instruments

Druck manufacture a comprehensive range of pressure instruments. Included in this range are Pressurements industrial deadweight testers and Ruska high precision controllers and primary standard piston gauges. Field portable calibrators are particularly suitable for remote outdoor locations and cover pressure, temperature and electrical parameters.



Pressure sensors

Druck also manufacture an extensive range of pressure transducers and transmitters, including customized versions for use in many industries.

Please refer to Druck for further information and datasheets.

ORDERING INFORMATION

Please state the following (where applicable):

- (1) Type Number
- (2) Options
- (3) External pressure transducer specification
- (4) Specify front or rear panel location for:
 - (a) Pressure fittings
 - (b) External transducer connector
 - (c) Temperature probe connector
 - (d) DUT 4mm connectors

Continuing development sometimes necessitates specification changes without notice.

Druck is an ISO 9001 registered company.

