Remote Digital Display
RDD100

The RDD100 Remote Digital Display is a convenient, compact, and inexpensive accessory for displaying the serial digital output from Honeywell's Precision Pressure Transducers. PPT, PPTR, HPB or HPA pressure readings are displayed by the RDD100 at distances up to 50 feet. Digital readings for any of the transducer's 14 user-selectable pressure units, or custom user-specified unit, can be displayed.

Application

- Displays Honeywell Precision Pressure Transducer serial digital output
- Compatible with RS-232 digital output from Honeywell's PPT, PPTR, HPB and HPA transducers
- Bench top or panel mount installation



FEATURES AND BENEFITS

ISO-9001
ISO-14001

Direct Output	The RDD100 collects and displays a continuous stream of RS-232 digital data directly from a PPT, PPTR, HPB, or HPA transducer. (9600 Baud).
Accurate	No loss of accuracy as a result of signal conversion in the display.
Easy to Use	Simple setup; factory supplied interface cables; single wall mount power supply provides power for both the RDD100 and pressure transducer.
Fast Setup	No additional hardware or wiring required.
Computer Interface	Single 9-pin "D" cable connects the RDD100-transducer combination to your computer's serial port allowing background data collection while observing pressure transducer output. Configuring the update rate, damping, and other parameters can also be accomplished via the computer link.

RDD100

SPECIFICATIONS

Power Requirements	
Voltage	12 ±3 VDC (From supplied wall-mount AC/DC converter)
Current	< 250 mA (combined RDD100 and transducer)
Power Connection	2.5 x 5.5 x 10 mm (ID x OD x length) – center negative
Display	
Type	6 digit, 7 segment LED 0.56 inches (14.3mm)
Polarity Indication	"-" Displayed
Environmental	
Operating Temperature Range	-20°C to +60°C (-4 to 140°F)
Storage Temperature Range	-25°C to +85°C (-13 to 185°F)
Relative Humidity	0% to 90%, non-condensing
Environmental Ruggedness	Acid and abrasion resistant lens. NEMA 4 rated bezel with panel gasket seal
Dimensions/Weight	
Overall	3.8 x 2.0 x 4.36 inches (9.7 x 5.1 x 12.31 cm)
Panel Cutout	3.58 x 1.77 inches (9.1 x 4.5 cm)
Depth behind panel	4.5 inches (11.4 cm) – not including cabling
Weight	9.5 oz. (269 gm)

ORDERING INFORMATION

RDD100 Remote Digital Display

CABLE TYPE (Connection between RDD100 and unit)

A PPT, HPB, HPA (Non-CE Mark, plastic connector, RS-232 only)
B PPT, HPB, HPA, PPTR (CE Mark, metal connector, RS-232 only)

OPTIONS

6 6-Foot Computer Cable (Connection between RDD100 and Computer)
10 10-Foot Computer Cable (Connection between RDD100 and Computer)
B Set of mating connectors for building custom length cables

Example:

RDD100 A -6

Orders for RDD100 contain display, 6 ft. transducer cable (for connection between RDD100 and transducer), and 120V AC to 12V DC power converter. 6-foot and 10-foot computer cables (for connection between RDD100 and computer) are available as options. RDD100 communicates via RS-232 digital output only.

Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online at www.pressuresensing.com or contact us at 800-323-8295 or 763-954-2474.

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Honeywell
12001 Highway 55
Plymouth, MN 55441
Tel: 800-323-8295
www.honeywell.com/pressuresensing

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