

# 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**

- |                             |   |
|-----------------------------|---|
| ▶ <b>Direct Output</b>      | ▶ The RDD100 collects and displays a continuous stream of RS-232 digital data directly from a PPT, PPTR, HPB, or HPA transducer. (9600 Baud).   |
| ▶ <b>Accurate</b>           | ▶ No loss of accuracy as a result of signal conversion in the display.  |
| ▶ <b>Easy to Use</b>        | ▶ Simple setup; factory supplied interface cables; single wall mount power supply provides power for both the RDD100 and pressure transducer.   |
| ▶ <b>Fast Setup</b>         | ▶ No additional hardware or wiring required.  |
| ▶ <b>Computer Interface</b> | ▶ 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

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

## ORDERING INFORMATION

<b>RDD100 Remote Digital Display</b>	
<b>CABLE TYPE (Connection between RDD100 and unit)</b>	
<b>A</b>	PPT, HPB, HPA (Non-CE Mark, plastic connector, RS-232 only)
<b>B</b>	PPT, HPB, HPA, PPTR (CE Mark, metal connector, RS-232 only)
<b>OPTIONS</b>	
<b>6</b>	6-Foot Computer Cable (Connection between RDD100 and Computer)
<b>10</b>	10-Foot Computer Cable (Connection between RDD100 and Computer)
<b>B</b>	Set of mating connectors for building custom length cables
Example:	
<b>RDD100 A -6</b>	

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](http://www.pressuresensing.com) or contact us at 800-323-8295 or 763-954-2474.

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