

**APPLICATION**

- Displays Honeywell Precision Pressure Transducer (PPT/PPT-R) output
- Bench top or panel mount installation

# Remote Digital Display

**RDD100**

**T**he Remote Digital Display RDD100 is a convenient, compact and inexpensive accessory for displaying the output from Honeywell's Precision Pressure Transducer. PPT or PPT-R pressure readings are displayed by the RDD100 at distances up to 50 ft. Any of the PPT's 14 factory-set pressure units or a user-specified unit can be displayed.



## FEATURES AND BENEFITS

**Direct output:** RDD100 display accepts continuous stream RS232 directly from PPT

**Accurate:** no accuracy loss caused by signal conversion in the display. PPT/PPT-R accuracy of 0.05%/0.1% FS is maintained.

**Easy to use:** Simple PPT setup; factory-supplied interface cables; single wallmount supply powers the RDD100 and the PPT

**Fast Setup:** no additional hardware or wiring required.

**Computer interface:** 9-pin "D" cable ports the RDD/PPT to your PC

**Versatile:** Perform computerized data collection while observing PPT output. Configure the PPT for update rate, damping and other parameters through the computer link.

## SPECIFICATIONS

<b>Power Requirements</b> Voltage Current: RDD100 and PPT operating together Power Connection	12 $\pm$ 3 VDC 170 mA 2.5 X 5.5 X 10 mm (ID x OD x length) with center negative
<b>Display</b> Type Polarity Indication	6 digit, 7 segment LED 0.56" (14.3mm) “-” Displayed
<b>Environmental</b> Operating Temperature Range Storage Temperature Range Relative Humidity Environmental Ruggedness	-20°C to +60°C -25°C to +85°C 0% to 90%, non-condensing Acid and abrasion resistant lense; NEMA 4 rated bezel with panel gasket seal
<b>Dimensions/Weight</b> Overall Panel Cutout Depth behind panel Weight	3.8 in. W x 2.0 in. H x 4.86 in. D 3.58 in. W x 1.77 in. H 4.5 in. Approximately 1 pound

## ORDERING INFORMATION

<b>Basic Unit</b> RDD100	<b>Order Number</b> RDD100
<b>Options</b> <b>Wall mount power supply and power supply plug</b> Power supply for RDD100 and PPT; 120VAC to 12V DC transformer, 6 ft. power cord Power supply plug for customer-built supplies: Radio Shack part no. 274-1573A	<b>Add codes to end of order #</b>  - ps Procure from Radio Shack or other supplier
<b>Cables</b> 6 ft. cable for standard PPT to RDD100 connection 6 ft. cable for PPT-R to RDD100 connection Computer interface cable Double-ended 9-pin “D” connectors, 6 or 10 ft. Interfaces computer to PPT through RDD100	 - sc - rc - cc6 or -cc10
<b>Connectors for customer-built cables</b> PPT basic 6-pin socket connector (Conxall 6-282-6SG-522) All RDD-to-PPT/PPT-R cables require one RDD-to-standard PPT cables require two PPT-R 6-pin military style (Amphenol PTO6A10 6S) RDD-to-PPT-R cables require one	 - bsc  - msc

**RDD100 Order Code Example:** **RDD100-ps-rc-cc10** RDD100 display to be supplied with power supply, cable for use with PPT-R and 10 foot computer interface cable.

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