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# RAIL PRESSURE TRANSDUCER (RPT001)

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**THE RPT001 LEVEL SENSING SYSTEM PROVIDES A HIGHLY RELIABLE WELL LEVEL INDICATION VIA 4-20mA OUTPUT - OFFERING AN ALTERNATIVE TO HANGING OR SUBMERGING AN EXPENSIVE INSTRUMENT INSIDE THE WET WELL.**

The Rail Pressure Transducer (RPT001) is a DIN rail mounted product that incorporates patented level sensing and fault detection techniques to provide a highly reliable well level indication via a 4-20mA output. The level transducer is integrated into the RPT001 product – offering an alternative to hanging or submerging an expensive instrument inside the wet well.

The RPT001 is designed to measure well level depths from 0 to 33 feet. Ideal for use with automatic pump controllers such as the DFS TCU800, the RPT001 also features a fault indication LED with digital output for fault monitoring by a SCADA System or Auto-Dialer.



## FEATURES:

- 4-20mA analog output for level output (14.5PSI / 33.45ft)
- Status LEDs indicate device operating status
- Digital Output (DO) provided by relay closure for fault alarms (opens on fault)
- Snap-on DIN rail mount design that allows for easy install and removal
- Push-spring terminal block for wire connections
- Utilizes a 115 VAC compact diaphragm-type air pump (sold separately)
- Internal check valve monitors air flow and checks for faults with the air pump
- 1/8" barb fittings for hose connections between the air pump and wet well

## TECHNICAL SPECIFICATIONS:

- Dimensions: 5.25" (L) x 3.35" (W) x 1.2" (H)
- Material: Acrylonitrile Butadiene Styrene (ABS)
- Supported Tube Diameter: 1/8" ID
- Power Supply Requirements: 7 - 24 VDC, 50mA
- Temperature Rating: -10°C to 60°C
- Analog Output Rating 4-20mA @ 250Ω
- Digital Output Rating: 240VAC/30VDC, 3A, Normally Open
- Transducer Pressure Rating: 0 - 14.5 PSI
- Transducer Measurement Accuracy: 1% of full scale

## ORDER OPTIONS:

- Rail Pressure Transducer (RPT001): Part # DFS-00546-008-01
- 115 VAC Compact Air Pump: Part # 022-0526
- RPT001 Small Parts Kit (Includes RPT, 120V Pump & Accessories): Part # DFS-00526-008-02

## WARRANTY:

Product includes a one-year return-to-factory warranty covering defects in material and workmanship.

