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# JT400 Multivariable Transmitter

## Ultra-Low Power Platform with Integrated I/O

PRODUCT SPECIFICATIONS

**THE INDUSTRY'S FIRST ULTRA-LOW POWER, MULTIVARIABLE (DP/P/T) TRANSMITTER** provides best-in-class measurement accuracy, USB, and I/O.

### DESIGNED FOR EASE OF USE:

The JT400 incorporates the latest advances in low power technology. It is very easy to install and startup. And configuration with the JT400 GUI makes setup straight forward.

### BROAD COMPATIBILITY

A variety of interfaces (USB, RS-232, RS-485) and protocols allow the JT400 to readily drop-in to practically any SCADA or natural gas measurement network.

### ULTRA LOW POWER

- Industry's lowest current draw, <1 mA at 4.0 Vdc

### HIGH ACCURACY FOR CUSTODY TRANSFER

- Industry-leading, 0.05% DP measurement accuracy is standard
- Best-in-class static pressure (0.035%) and temperature (0.1°C) measurements
- Best-in-class pressure (0.1%) and temperature (0.125%) effects on DP

### INTERFACE

#### DROP-IN COMPATIBILITY

- Standard mapping via BSAP, Enron Modbus and ROC compatible protocols
- Automatic protocol detection
- Process I/O
- 2 AI, 4 DI/DO (selectable per-point)
- Supports communication speeds up to 38400 baud.



### HAZARDOUS AREA CLASSIFICATIONS

- Class I, Division 1, Groups C, D Explosion-proof UL/CUL
- Single-Seal Certified

### SIMPLIFIED USER INTERFACE

- Intuitive menu operation, live trending
- Software provided free of charge



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### OVER RANGE CAPABILITY

All sensors remain accurate to  $\pm 0.1\%$  while over-pressured up to 133% of URL.

**PROOF PRESSURE:** 1½ x URL without recalibration

### OPTIONAL LIQUID CRYSTAL DISPLAY (LCD) PROVIDED AT NO ADDITIONAL COST

The Optional LCD display is configurable for units, variable display sequence and period.

Writable display allows for viewing of user defined system data.

### FIELD UPGRADEABLE FIRMWARE

Firmware factory updates and added options may be added through the USB port in the field without loss of calibration.

### USER CONFIGURABLE I/O

- Four digital inputs may be configured as open drain digital outputs.
- Two 1-5 V analog inputs have a 10% over range capability.

### PRESSURE SENSOR RANGES

**MULTIVARIABLE SENSOR IS AVAILABLE IN:  
DIFFERENTIAL PRESSURE/STATIC PRESSURE**

- 150 in H<sub>2</sub>O / 1000 PSI
- 150 in H<sub>2</sub>O / 2000 PSI
- 300 in H<sub>2</sub>O / 1000 PSI
- 300 in H<sub>2</sub>O / 2000 PSI
- 400 in H<sub>2</sub>O / 2000 PSI
- 700 in H<sub>2</sub>O / 2000 PSI

New extended operating range for plunger lift applications that allows for flow indication up to 1000InH<sub>2</sub>O

**OPTIONAL:** Dual Single Variable Static pressure sensor version of the JT400 available in the pressure ranges detailed in the Model String table.



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