



**General**

|                                |   |
|--------------------------------|---|
| Principle of Operation         | Digital Capacitance Compensated                     |
| Temperature Variation          | 0.0 - 50.00% (0 – 500,000 ppm)                      |
| Water in Oil Range             | 4 USGPM (0.015 m <sup>3</sup> /min) for Oil         |
| Minimum Sample Flow Rate       | 9 USGPM (0.034 m <sup>3</sup> /min) for Condensate  |
| Resolution                     | 0.001% (10 ppm)                                     |
| Accuracy                       | 0.01% (100 ppm)                                     |
| Repeatability                  | 0.01% (100 ppm) Absolute                            |
| Temperature Stability          | 0.0015% (15 ppm) Water/°C                           |
| Temperature Sensor             | 1000 Ohm Platinum RTD                               |
| Temperature Compensation Range | 32°F – 300°F (0°C – 150°C) Linear                   |
| Shipping Weight                | 53 to 96 Lbs (24 to 44 Kg), Per Process Connections |
| Shipping Dimensions            | 10" x 11" x 34" (26 cm x 28 cm x 86 cm)             |

**Mechanical**

|                                       |  |
|---------------------------------------|--|
| Construction Material                 | Type 316 SS, Wetted Parts                              |
| Max. Working Pressure                 | ANSI Flange Rating per Process Connection              |
| Max. Fluid Temperature                | 275°F (135°C)  |
| Max. Ambient Temperature              | 185°F (85°C)   |
| Operating Temperature for Electronics | -40°F to 185°F (-40°C to 85°C)                         |
| Storage Temperature for Electronics   | -40°F to 185°F (-40°C to 85°C)                         |
| Process Connection                    | 1" or 2", 150, 300, 600 or 900# RF Flange              |
| Service Ports                         | 1" NPT   |
| Specific Volume                       | 0.070 US Gallon (235 ml)                               |
| Sensor Cross Section Flow Area        | Approx. 0.75 Inch <sup>2</sup> (4.84 cm <sup>2</sup> ) |

**Electrical**

|                        |   |
|------------------------|---|
| Power Required         | 18 – 24 VDC @ 150 mA Floating<br>(Grounded or Ungrounded) |
| Electrical Connections | (1) M20, (1) 1" NPT, (1) ¾" NPT                           |
| Corrosion Protection   | NACE MR-0175-2003,<br>Compliant for Sour Service          |
| Humidity Protection    | Conformal Coating on CB                                   |

**Output**

|                       |   |
|-----------------------|---|
| Transmitter Mounting  | Integral with Sensor (No Cables Required) |
| Analog Current        | 4 20 mA DC, Isolated, Self-powered        |
| Maximum Load          | 600 Ohms                                  |
| Isolation Voltage     | 500 Volts Peak                            |
| Relay Contacts        | SPST-NO 2 Amp @ 24 VDC, Non-inductive     |
| Adjustable Delay      | 0 – 43 Million Seconds                    |
| Adjustable Hysteresis | 0 – 49.90% (0 – 499,000 ppm) water        |

**Terminal/Computer Interface**

|           |                               |
|-----------|-------------------------------|
| RS-232C   | Full Duplex, Max. 50 Metres   |
| Speed     | 9600 Baud                     |
| Word Size | 8 Bits                        |
| Parity    | None                          |
| Stop Bits | One                           |
| RS-485    | Half Duplex, Max. 1500 Metres |