



Oil / Water Meters (OW-200 & OW-300) Application Data Sheet

Table of Revisions

| Date | Revision | Version | DCR Number | Description of Changes |
|-------------------|----------|---------|------------|---|
| December 21, 2010 | 00 | | 5579 | Initial Issue created by Tracy Parker, previously F0135 |
| February 8, 2013 | 01 | | DCR0094 | Remove Hart Protocol option/Add Ethernet |
| August 12, 2013 | 02 | 00 | DCR0113 | Revised by Roxana/Dalila to update, remove UL certification and add CSA-US certifications. |
| April 26, 2018 | 03 | | DCR18-0003 | Revised by Roslyn M. to update datasheets. Revised by Dianna Reed-Ilori to update properties and other information. |

| | | |
|---------------------------|-----------------|----------------|
| Technical Reviewer | Ilenny Guevara | April 26, 2018 |
| Reviewer Name | Rafael Carbajal | April 26, 2018 |
| Approved for Issue | Gary Fransen | April 26, 2018 |



Oil / Water Meters (OW-200 & OW-300) Application Data Sheet

Prepared By _____ Company _____ Date _____

Phone # _____ Email _____

End User _____ Final Destination _____

Quantity _____ Tag Information _____

Required Information: Dimensional drawing/sketch and P&ID

Specifications

| Water Cut Range (%) | |
|---|---|
| Oil Continuous | Full Range |
| <input type="checkbox"/> 0-1% | <input type="checkbox"/> 0-100% |
| <input type="checkbox"/> 0-5% | <input type="checkbox"/> Other (Specify): _____ |
| <input type="checkbox"/> 0-10% | |
| <input type="checkbox"/> 0-20% | |
| <input type="checkbox"/> Other (Specify): _____ | |

| Flow Line Size (Inch) | Schedule |
|---|---|
| <input type="checkbox"/> 2" | <input type="checkbox"/> Sch 40 |
| <input type="checkbox"/> 3" | <input type="checkbox"/> Sch 80 |
| <input type="checkbox"/> 4" | <input type="checkbox"/> Sch 160 or above |
| <input type="checkbox"/> Other (Specify): _____ | |

| Process Temperature |
|--|
| <input type="checkbox"/> 32°F to 212°F (0°C to 100°C) |
| <input type="checkbox"/> 32°F to 450°F High Temperature (0°C to 232°C) |
| <input type="checkbox"/> Other (Specify): _____ |

| Sensor Materials |
|---|
| <input type="checkbox"/> 316L SS |
| <input type="checkbox"/> Duplex 2205 |
| <input type="checkbox"/> Super Duplex 2507 |
| <input type="checkbox"/> Hastelloy C276 |
| <input type="checkbox"/> Monel 400 |
| <input type="checkbox"/> Other (Specify): _____ |

| Pressure Rating |
|---|
| <input type="checkbox"/> ANSI 150# |
| <input type="checkbox"/> ANSI 300# |
| <input type="checkbox"/> ANSI 600# |
| <input type="checkbox"/> Other (Specify): _____ |

| Type of Hydrocarbon/Organic |
|-----------------------------|
| Specify: _____ |

| Type of Water / Aqueous Phase |
|--|
| <input type="checkbox"/> Process Water |
| <input type="checkbox"/> Steam Condensate / Distilled / Rain Water |
| <input type="checkbox"/> Other (Specify): _____ |

| Process Connections for pipelines 6" and above |
|--|
| <input type="checkbox"/> 2" |
| <input type="checkbox"/> 3" |
| <input type="checkbox"/> 4" |
| <input type="checkbox"/> Other (Specify): _____ |
| For full range water cut meters, the minimum ID clearance of 2.8". For oil continuous meters, the minimum ID clearance is 1.9". |

| Ambient Temperature |
|--|
| <input type="checkbox"/> 32°F to 122°F (0°C to 50°C) |
| <input type="checkbox"/> -4°F to 122°F (-20°C to 50°C) |
| <input type="checkbox"/> Other (Specify): _____ |

| Seal Housing / Spool Pieces (Process Connections) |
|---|
| <input type="checkbox"/> 316L SS |
| <input type="checkbox"/> Carbon Steel |
| <input type="checkbox"/> Duplex 2205 |
| <input type="checkbox"/> Super Duplex 2507 |
| <input type="checkbox"/> Hastelloy C276 |
| <input type="checkbox"/> Monel 400 |
| <input type="checkbox"/> Other (Specify): _____ |

| Connection Type |
|---|
| <input type="checkbox"/> RF |
| <input type="checkbox"/> RTJ |
| <input type="checkbox"/> Other (Specify): _____ |



| |
|---|
| Output Options (All Included as Standard/Configurable) |
| <input type="checkbox"/> 2 x 4-20mA: <input type="checkbox"/> (WC & Temp) or <input type="checkbox"/> (WC & Flow*) |
| <input type="checkbox"/> 3x Pulse**(Pulse1-Oil, Pulse2-Water, Pulse3-Total) |
| <input type="checkbox"/> Alarm Relay |
| *Flow meter input required (4-20mA Analog or pulse) Digital Display Standard |
| Enclosure |
| <input type="checkbox"/> NEMA 4/7 (Cast Aluminum with O-ring Seal) |
| <input type="checkbox"/> Other (Specify): _____ |
| Electrical Entries |
| <input type="checkbox"/> ¾" NPT Standard |
| Optional Adapters |
| <input type="checkbox"/> ¾" NPT X ½" NPT |
| <input type="checkbox"/> ¾" NPT X M20 |
| <input type="checkbox"/> ¾" NPT X M25 |
| Customer Interface Software Protocol |
| <input type="checkbox"/> MODBUS RTU |
| <input type="checkbox"/> MODBUS ASCII |
| <input type="checkbox"/> MODBUS TCP/IP |
| <input type="checkbox"/> Other (Specify): _____ |
| Salinity |
| <input type="checkbox"/> 0-10% |
| <input type="checkbox"/> 0-20% |
| <input type="checkbox"/> Other (Specify): _____ |

| |
|--|
| Power Supply |
| <input type="checkbox"/> 24VDC – (Not Loop Powered) |
| <input type="checkbox"/> 110/120VAC |
| <input type="checkbox"/> 220/240VAC |
| <input type="checkbox"/> Other (Specify): _____ |
| Remote Electronics Mounting (0-100% WC Range) |
| Maximum 10 ft of Cable? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Certification |
| <input type="checkbox"/> CSA/CSA-US |
| <input type="checkbox"/> ATEX |
| <input type="checkbox"/> GOST |
| <input type="checkbox"/> Other (Specify): _____ |
| Customer Interface Hardware Protocol |
| <input type="checkbox"/> RS 422 - 4 wire (RS-485 Full Duplex) |
| <input type="checkbox"/> RS 232 - 3 wire |
| <input type="checkbox"/> RS 485 Half Duplex - 2 wire |
| <input type="checkbox"/> RJ45 Ethernet (Standard, included in all units) |
| <input type="checkbox"/> Other (Specify): _____ |

Application: Well Testing Field Allocation Pipeline Monitoring Other (Specify): _____

Flow Rate: Min: _____ Norm: _____ Max: _____ (BPD, GPM, m³/d)

Specify any additional requirements:

REQUIRED: P&ID and Installation drawing for ALL formal quotes