LIQUID LEVEL TRANSMITTER

Model WW517



FEATURES

- All welded construction
- 316L SS wetted parts
- Ranges down to 30" WC full scale
- High accuracy

TYPICAL APPLICATIONS

- Waste water
- Ballast tanks
- Shipboard
- Tank farms

STOPS SLUDGE FROM CLOGGING

Sludge plugs standard submersible transmitters, causing the sensor to fail. The design of the WW517 stops this from occurring.

The all welded 316L design eliminates potential leak paths. Our unique cable seal ensures that the watertight integrity of the unit up to 500 PSI (34 bar). The Model WW517's internal circuitry provides voltage surge (lightning) protection, while the 4 to 20 mA output signal minimizes potential outside interference and signal degradation. This feature is important when the signal travels over long cable lengths. The Model 517 also has available an Intrinsically Safe design.

The Model WW517 is a 316L liquid level transmitter with a 3" diameter opened faced Teflon coated sensor for waste water applications.

MECO MEASUREMENTS & CONTROLS
Via Paolo Uccello, 4 20148 Milano
Tel. +39 02 4 692 680 Fax +39 02 4 694 602 info@mecoitalia.it www.mecoitalia.it

PERFORMANCE

Full Scale Pressure Range (FSPR)	0-3, 5, 10, 15, 30, 50, 100, 200, 300, 500 PSI
	0-7, 12, 23, 35, 69, 115, 230, 462, 693, 1154 feet of water column
Accuracy Combined	
Linearity, Hysteresis & Repeatability	≤±0.1% FSO typical (±0.25% FSO max)
Full Scale Output (FSO)	16 mA
Resolution	Infinite
Zero Balance	4 mA ±0.08 mA
Span	16 mA ±0.08 mA
Long Term Stability	≤±0.20% FSO per 6 months
Temperature Effect on Zero	≤±2.0% 50°F (10°C)
Temperature Effect on Span	≤±2.0% 100°F (37°C)
Compensated Temperature Range	40°F to 120°F (4°C to 48°C)
Operating Temperature	20°F to 185°F (-7°C to 85°C)
Storage Temperature Range	20°F to 200°F (-7°C to 93°C)

ELECTRICAL

Supply Voltage	9 to 30 Vdc
Power Supply Regulation	≤±0.0001% FSO per Volt
Output Signal	4 to 20 mA
Maximum Load Resistance	≤1050Ω maximum @ 30 Vdc
Circuit Protection	Reverse Polarity Protected. Over-voltage protected to 1000V < 50 microseconds
Electrical Connection	3 wire, 22 AWG
Red	+Power/Signal
Black	-Power/Signal
Bare	Case ground

MECHANICAL

Pressure Connection	2.9" flush sensing diaphragm (Teflon coated)
Proof Pressure	3 times rated range
Burst Pressure	5 times rated range
Diameter	4 inches O.D.
Weight	24 oz
Cable Weight	7 lbs per 1000 feet (polyurethane)

MATERIALS OF CONSTRUCTION

Housing	316 stainless steel
Pressure Connection	316 stainless steel
Sensor	316 stainless steel, Teflon coated
Cable Options	Polyurethane, Tefzel
Identification	Laser etched onto body
Cable Strength	Poly Wire - 30 lbs; Support Line - 100 lbs

Model WW517

CERTIFICATIONS (Consult Factory for Available Options)

FM	Intrinsic Safety: Class I, Div 1, Groups A, B, C, D T4 Ta=80C; Class I, Zone 0, A Ex ia, IIC, T4 Ta=80C
CSA	Intrinsic Safety: Class I, Div 1, Groups A, B, C, D T4 Ta=80C; Class I, Zone 0, Ex ia, IIC, T4 Ta=80C

OPTIONS

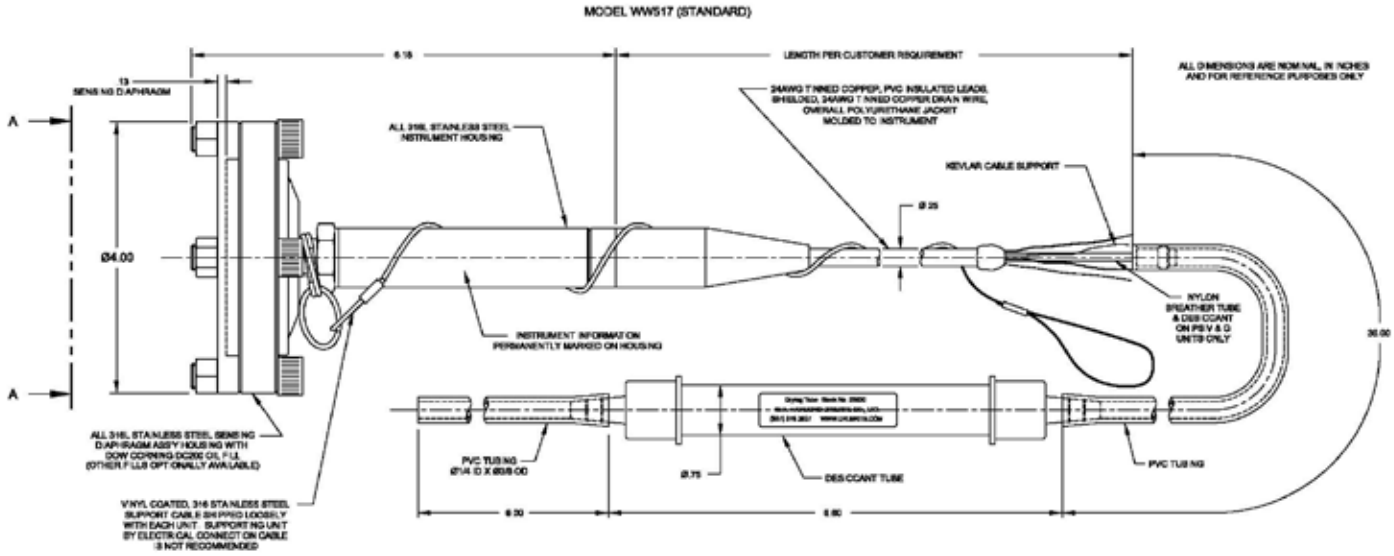
Codes

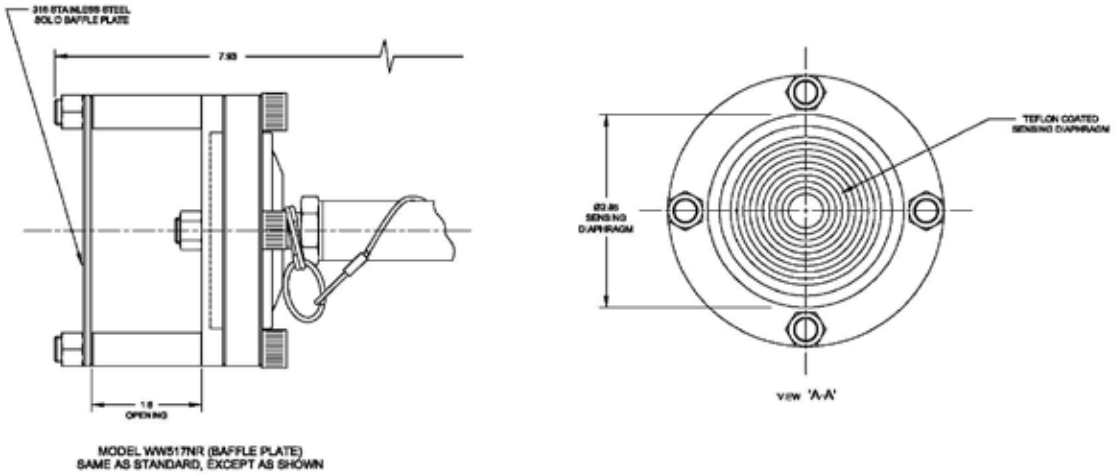
DH.....Special range
EA.....Special calibration run
NH.....Customer specified identification
NR.....Alternate protection baffle plate
TG.....CSA and FM Intrinsically Safe design (consult factory)

Note: Application of some available options may affect standard performance. Consult your Viatran Representative for details.

ACCESSORIES

Pump management system
Panel mount digital display
Pressure test fitting
Lightning arrestor
Baffle plate





MODEL WW517N/R (BAFFLE PLATE)
SAME AS STANDARD, EXCEPT AS SHOWN

Information is accurate to the best of Viatran's knowledge. We reserve the right to change specifications at any time.
98PB3WW517 07/10

MECO MEASUREMENTS & CONTROLS
Via Paolo Uccello, 4 20148 Milano
Tel. +39 02 4 692 680 Fax +39 02 4 694 602 info@mecoitalia.it www.mecoitalia.it
Viatran A Dynisco Company