



LEVEL-WATCH

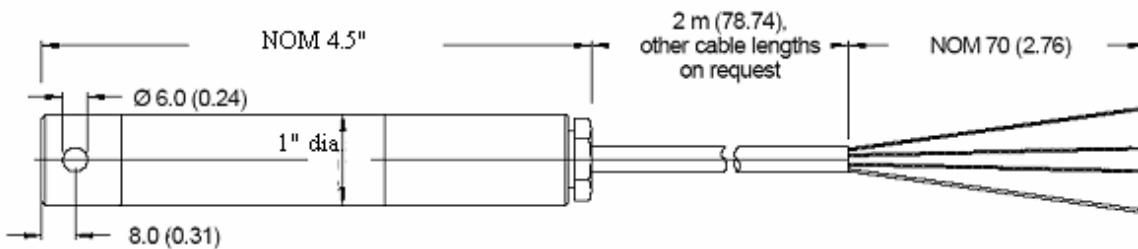
Water Level Sensor

FEATURES

Monitor water levels of streams, rivers, reservoirs, irrigation ditches, tank controller, wells and tanks using the LEVEL-WATCH level sensor. Simply install the LEVEL-WATCH in liquid below the lowest level of interest. Connect the sensor to a meter, telemetry device, or data logger and a power source and the system is complete. The LEVEL-WATCH measures the liquid level above the sensor and the hydrostatic head of pressure. A vented tube is available for barometric pressure compensation. Mount the LEVEL-WATCH at a depth below the lowest level of interest to monitor. In still water, the sensor can be suspended by its cable to the depth desired. In turbulent water, a larger pipe should shield the sensor. In all cases the sensor should be located in the area of least turbulence. The inlet of the vent tube should be protected. See "Desiccant Replacement" option. The sensor can be damaged by water freezing internally and should be removed if freezing temperatures are anticipated. The warranty does not cover damage due to freezing. CABLE SOLD SEPARATELY



OUTLINE DRAWING



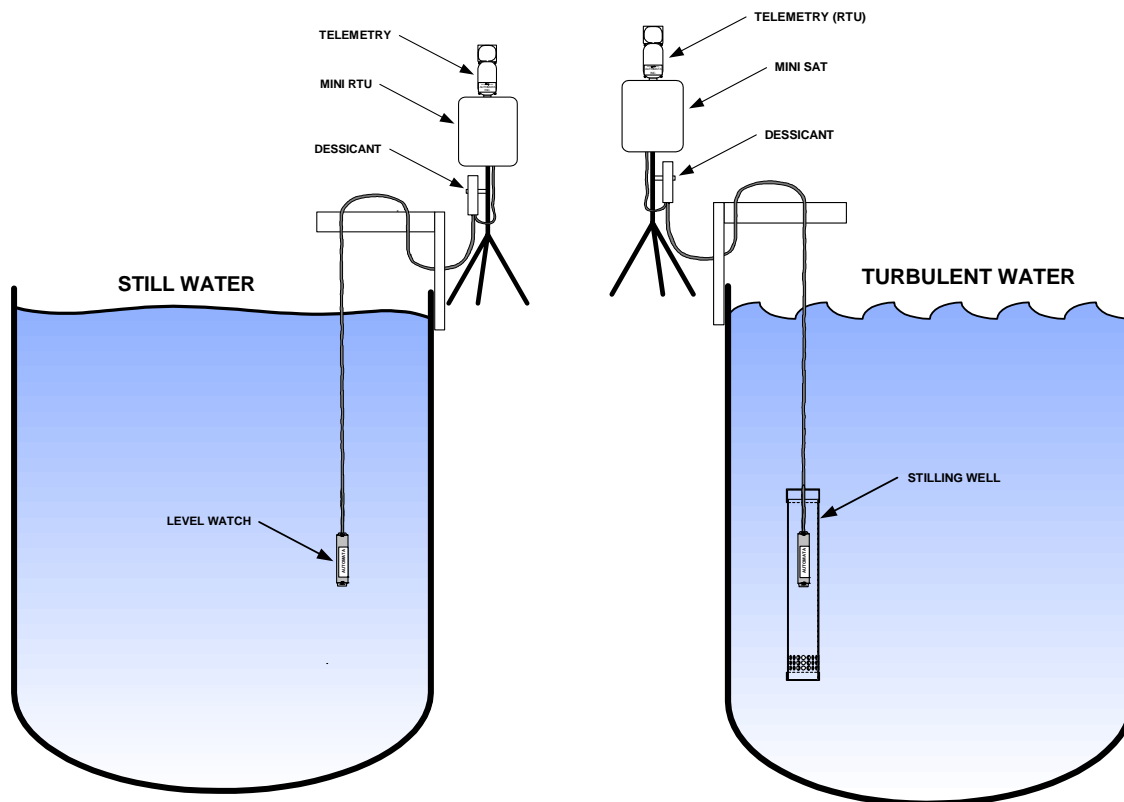
mass: typ. 210 g (without cable)

WIRE CONNECTION	
Color	Electrical connection
red	+Vs
black	-Vs
transparent	vent tube ¹
bare	case/shield

dimensions in mm (inches)

Specifications	
Supply Voltage	9...30 VDC
Electrical Output	4-20mA
Overall Size	4.5" Length 1.0" Diameter
Housing	304L Stainless Steel
Pressure Connection Sensor	316L Stainless Steel
Accuracy	≤± 0.5%
Sensing Ranges:	5, 10, 15, 20 PSI

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OPTIONAL DESSICANT REPLACEMENT

FEATURES

The Desiccant Replacement option consists of an extremely flexible diaphragm that transfers atmospheric pressure to the vent tube with no measurable error. No air exchange is allowed between the vent tube and the atmosphere. The use of this protects the pressure transducer from moisture or corrosive gases that may exist in areas such as water treatment plants. It also helps to prevent error that can be caused by liquid in the vent tube.

Specifications	
Size	10" Long x 2 1/2" Diameter
Weight	Under 1 lb.

