

McCrometer CONNECT LEVEL-WATCH Sensor

OVERVIEW

McCrometer CONNECT/Automata's LEVEL-WATCH Sensor is designed to monitor water levels of streams, rivers, reservoirs, irrigation ditches, tank controller, wells and tanks. Simply install the LEVEL-WATCH in liquid below the lowest level of interest and connect the sensor to one of Automata's MINI Field Stations. The LEVEL-WATCH measures the liquid level above the sensor and the hydrostatic head of pressure. 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. A vented tube is available for barometric pressure compensation. 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.



SPECIFICATIONS

Power Supply: 12 VDC@10% @ 10mA

Electrical Output: 4-20mA

Temperature Limit: 0 to 150°F (-18 to 66°C)

Compensated Temp. Range: 0 to 140°F (-18 to 60°C)

Response Time: 50 ms

Wetted Material: 316 SS, 316L ss, Buna-N; Cable: Polyurethane or ETFE

Pressure Limit: 2X full scale

Accuracy: +0.25% of full Scale

Wiring from Sensor: Red=9-30V, Clear=Shield/GND, Black=4-20mA

Wiring from Interface Board: Red=Signal, Green=Ground, Black/White=0-5V

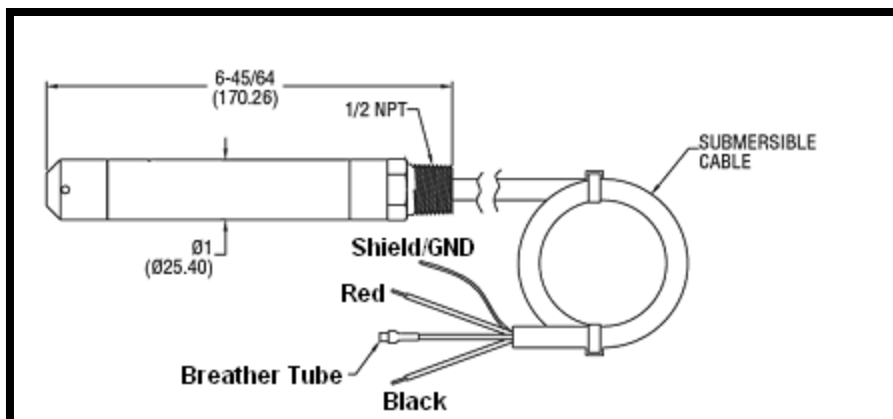
Ship Weight: 2.2 lb (1.0 kg)

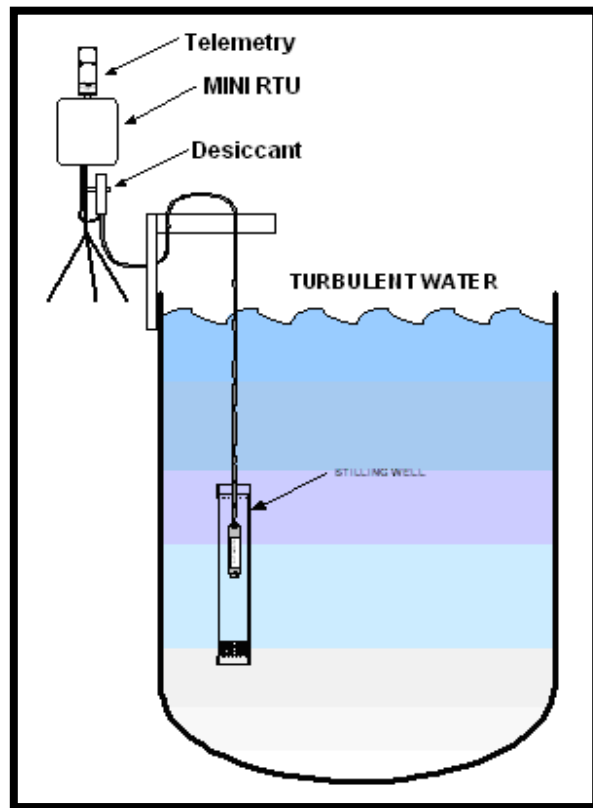
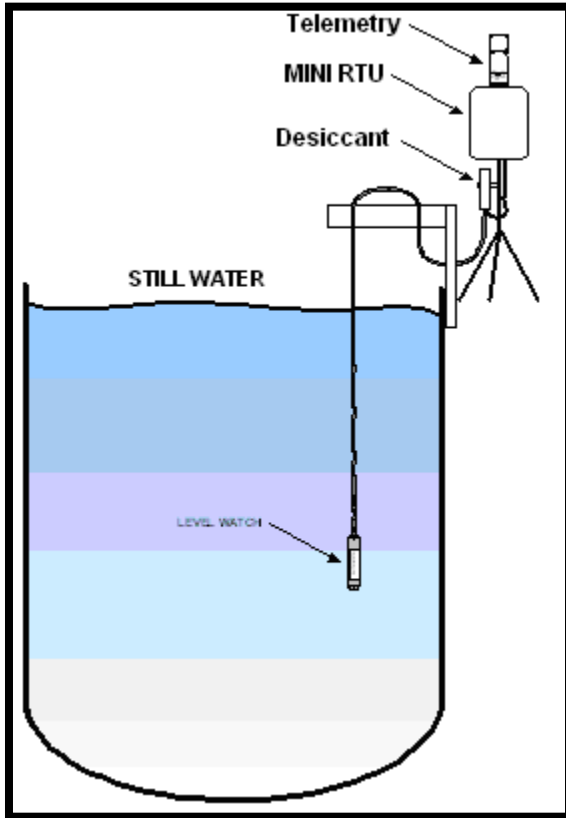
Order Part Numbers:

630-2014-015 – 15psi, 34.6' range, 4-20mA (standard). Min.40' vented cable (not included)

630-2014-005 - 5psi, 11.5' range, 4-20mA (standard). Min.15' vented cable (not included)

For other ranges consult the factory.





Desiccant Replacement (optional)

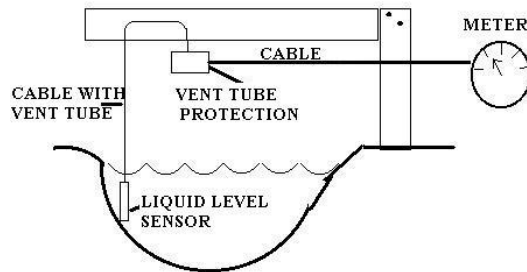
The Desiccant Replacement option consists of a vapor barrier that transfers atmospheric pressure to the vent tube with no measurable error. The vapor barrier does not allow moisture between the vent tube and the atmosphere. The use of this protects the pressure transducer from moisture or corrosive gases 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. It comes with the chassis, shown to the right, convenient for sheltering splices between vented cable and less expensive sensor cable.



SPECIFICATIONS

Chassis Size: 10" Long x 2" Diameter

Weight: 1 lb.



Email: sales@automata-inc.com • <http://www.automata-inc.com>
 Fax: (530) 478-5881 • Phone: (530) 478-5882 • (800) 994-0380
 138 New Mohawk Rd., Suite 151 • Nevada City, California 95959
 Printed in The U.S.A. Lit. #630-2014-XXX Rev.1.1/01-12