



LASER LEVEL-WATCH SENSOR

Part# 630-0605-100

Description

Automata's Laser LEVEL-WATCH sensor is a light beam time-of-travel device. Velocity of light is constant; not affected by temperature or any other environmental conditions. The accuracy is limited only by the quality of the electronics in the laser range finder. Furthermore, there are no moving parts to wear out so maintenance is kept at a minimum.

A stilling well is needed to keep the travel path for the light beam to be unobstructed during inclement weather. A float with nothing attached to it is dropped into the stilling well to provide a better target for reflecting the light beam than clear water. The Laser LEVEL-WATCH provides a long-term solution for liquid level measurement at popular prices.



Specifications	
Power Requirements	18-30 Volts; 40mA approx.
Output	4-20mAmps(standard), 0-10 Volts (optional), Alarm-Contact Closure (optional)
Black	Ground
Red	+12Vdc
White	Signal Out 4-20mA
Range	10' – 30' Meters
Sampling Rate	1 to 50 / second
Turn on Time	1 Second
Accuracy	@50Hz, on white (float) \pm 15mm, @50Hz, on grey (float) \pm 18mm @1Hz, \pm 5mm
Cable	15' included

CAUTION: Be sure the laser beam is aimed well and does not hit the side of the tube when installing.

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