Prochista

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UltraSonic Fuel Level Meter

(with ethernet transmitter)

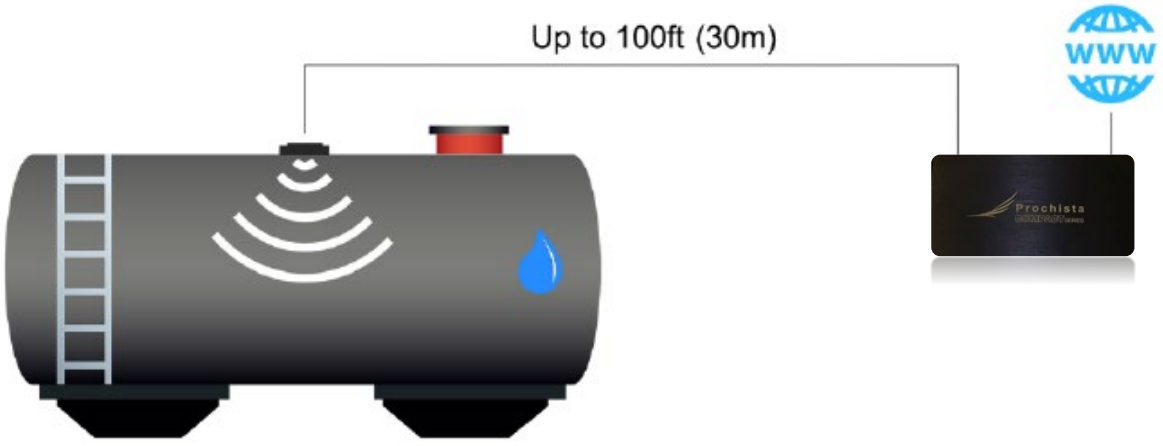
Part No. PCT-EH05DLM0148

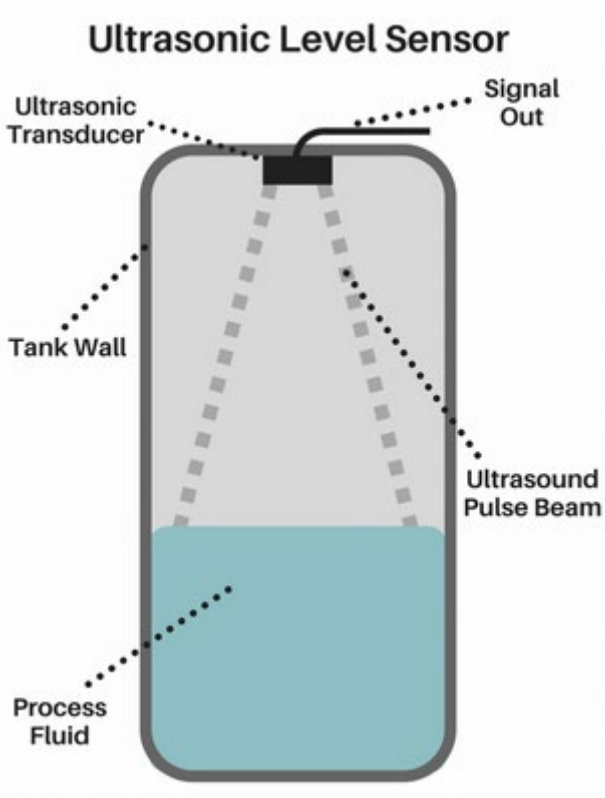
Document No. 960405148-1/1

Fuel Level Sensor is a liquid level detector that enables your monitoring system to meaure and monitor the level of liquid in a tank and display this level.

Using SNMP this sensor can be integrated with many different tools such as Schneider, Emerson, Prochista DCM, IO, Nlyte, iTracs, HP OpenView, IBM Tivoli, CA, BMC, odius, MRTG, Cacti, Nagios, Zenoss, ManageEngine, Ipswitch WhatsUp, Paessler PRTG, Solarwinds & more.

- The unit has a built-in web server that you can access to configure, read sensor data, and define alerts.
- The unit can operate with PoE power supply for easy installation. Also you can use external 48VDC power supply if you don't have PoE enabled switch on the site.
- 2 internally bridged LAN interfaces for ring network configura=on (without using network switch).
- Designed for wall mounted and rack mounted installation.





Features:

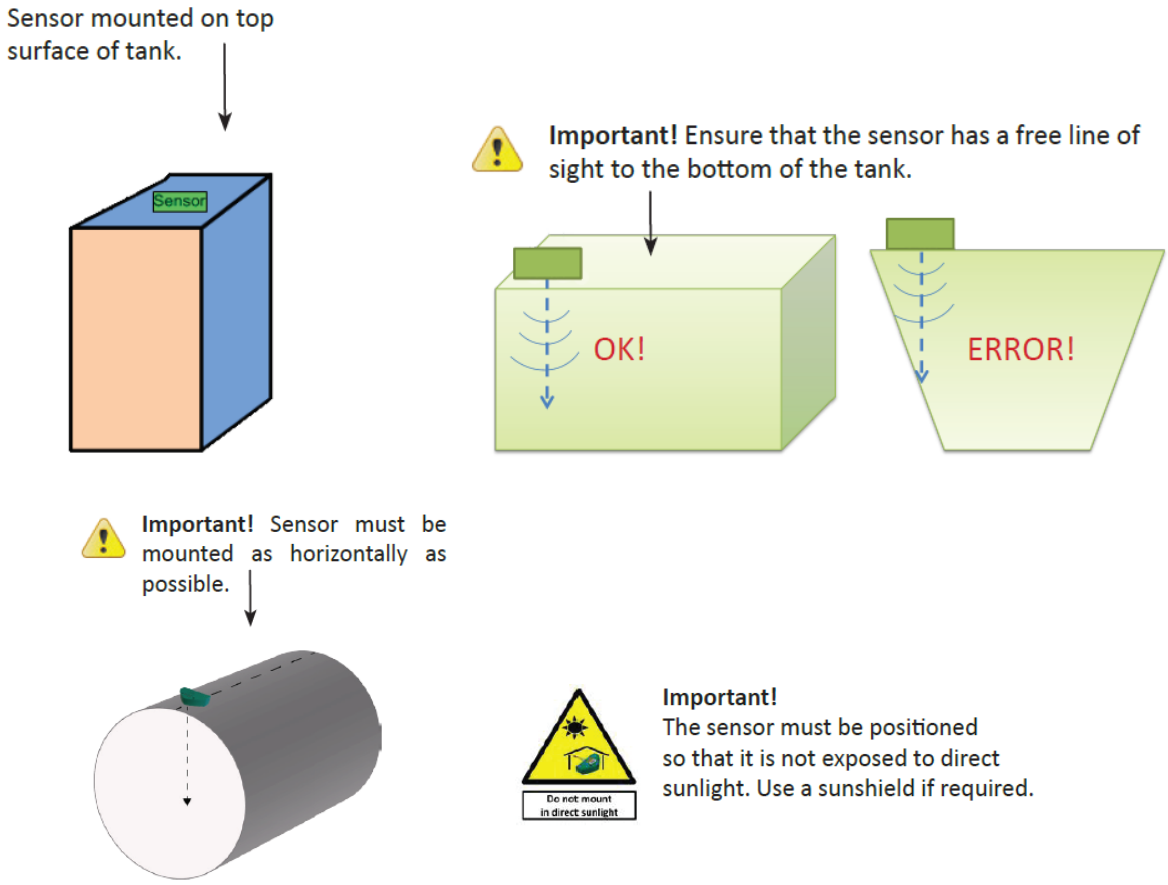
- Easy and trouble-free installation
- Tank temperature measurement
- Low power consumption
- Ideal for remote sites
- Normal, Low and Critical alerting
- Can monitor several liquids
- Operating distance of 3 mm to 4000mm
- Supports metal and plastic tanks

Specifications:

Power supply	
External power supply	48 VDC (± 10%)
Power consumption	Max 1500 mW
Network	
Protocol support	HTTP, SNMP v1,SNMP v2, SNMP v3, SNMP Trap, DHCP, DNS, ICMP
LAN Interfaces	2 x 10/100 Mbps (Internally bridged)
Power over Ethernet (PoE)	IEEE 802.3af
Max cable length	depending on cable quality up to 100m
Sensor	
Minimum detectable level	3 cm
Detectable range of concentration	4 m
Maximum Range	10 m
Sensor accuracy	absolute error ~0.1 cm/cm
Sensor type	Ultrasonic
Power output of the ultrasonic burst	100-150mW
Environmental conditions	
Operation Temperature Range	0℃ – 60℃
Operation Humidity Range	95%RH or less
Recommended Storage Temperature	-20℃ – 80℃
Physical	
Electronics box dimensions	90 x 76 x 46
Sensor cable length	5~30m

Installation

To function properly, the unit must be mounted on top of the surface or tank. The sensor should have a free line of sight to the bottom of the tank. For best results the sensor must be mounted as horizontally as possible.



Using the supplied cable, connect the plug to the tank sensor. Connect the other end of the cable to the RS-485 terminals to the gateway.

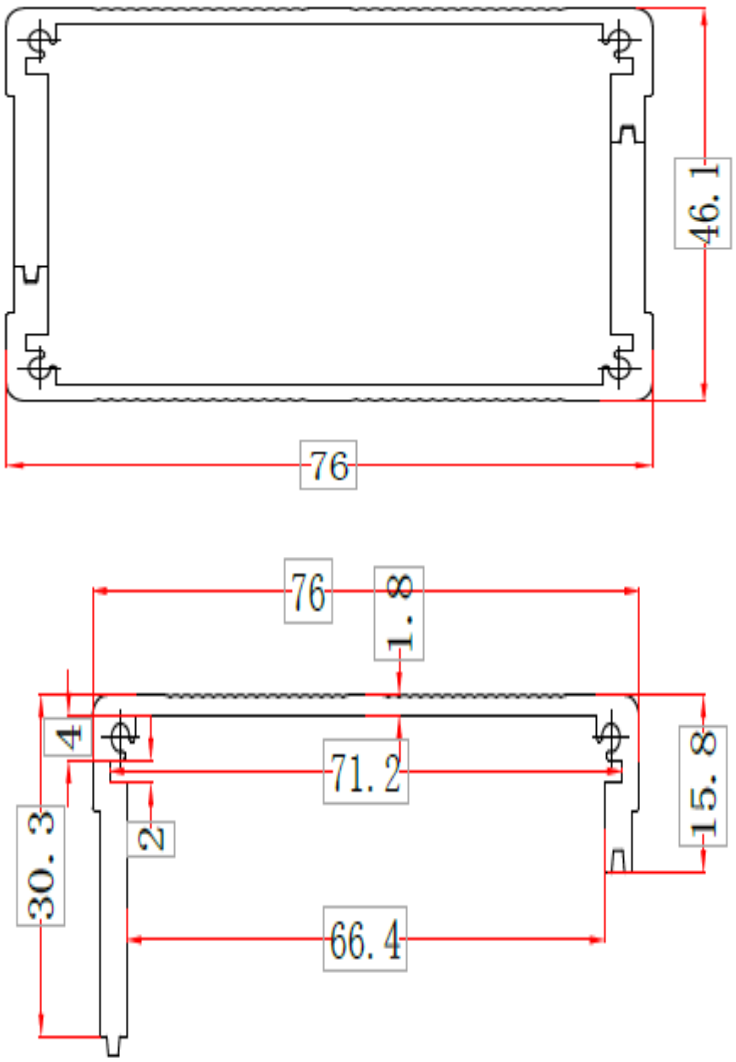
Configuration

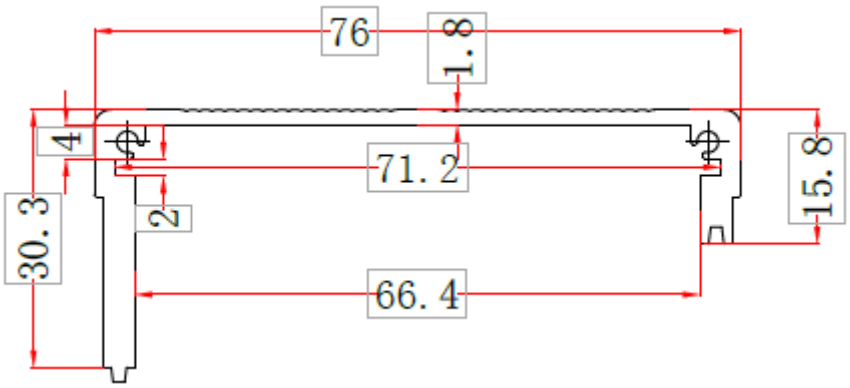
For configuring the unit simply login into unit's webpage, by default the unit boots in static IP mode .The unit's default IP is "172.16.0.1", default Username is "admin" and default Password is "prochista".

Note: For reloading default settings, hold the reset button on power up for at least 3 seconds (reset button is located behind the unit)

Mechanical Dimension

Box dimensions:





Sensor prob dimension: