

Strantrol® Controller Accessories

Heavy Duty Submersible Sensor Assembly

General Description

The heavy-duty submersible sensor assembly is specifically designed for applications where the sensor is to be located in open-tank and channel applications with high flow and turbulent environments. The sensor assembly is also designed for applications where automatic sensor wash is needed.

The automatic sensor wash for the heavy duty submersible sensor assembly includes an oscillating pump, tank, and all necessary fittings.

The heavy-duty submersible sensor assembly includes the sensor cell, which is housed together with an isolated preamplifier in a waterproof enclosure. Parallel to the stainless steel cable is a flexible instrument cable protected from abrasion by black polyethylene tubing. The 4-conductor 18 AWG shielded electrical cable connects the transmitter or controller to the sensor cell. The entire submersible sensor assembly is suspended from a stainless steel mounting arm. All necessary rail mount hardware is included.

Specifications

Weight	8.2 kg (18 lbs)
Dimensions (D x L)	76.2 x 533.4 mm (3" x 21")
Standard Cable	7.62 m (25') (Consult factory for other available lengths)
Sensor	pH or HRR®
Cage Assembly	Six, 1/2" holes allowing excellent sample flow while providing protection for the sensor tip

Key Benefits

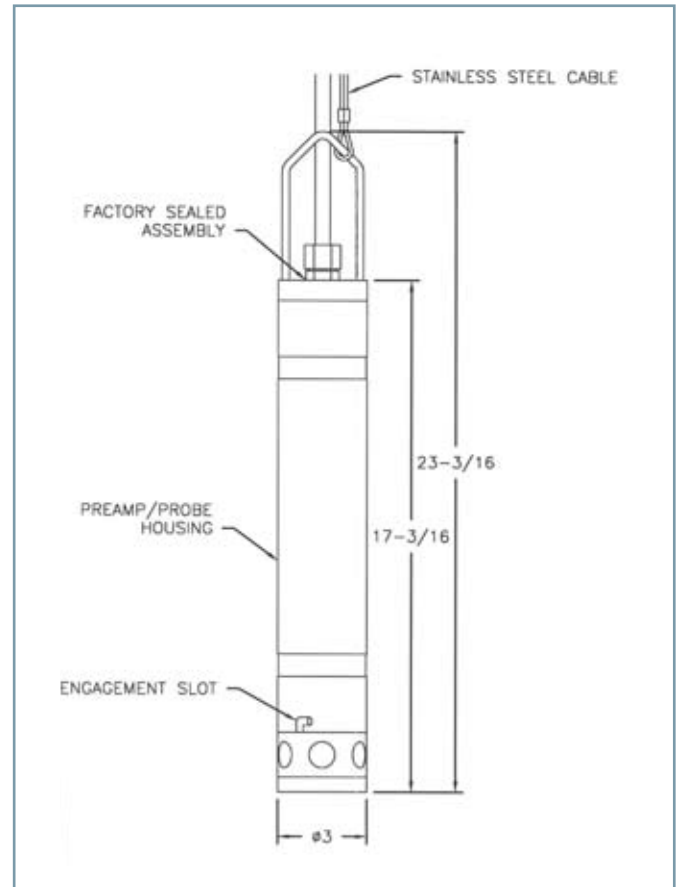
- Eliminates sample pumping and lag times
- Sensor clean fittings set at optimum distance - best results for automatic probe cleaning
- Factory-sealed preamplifier cannot be damaged by water submersion and allows the sensor to be located up to 600 m (2000 ft)
- Specifically designed for open-tank applications
- 1-year warranty after startup, including sensor and preamp



Data Sheet

General Layout

Heavy Duty Submersible Sensor Cutaway View



Part Number	Description
7042002	Sensor, HRR®
7040004	Sensor, pH
6091901	Quad o-ring
6961025	Preamp
1058002	Cage assembly
8108001	HRR® wash solution
2650005	PVC wire protector
3581232	Elbow, 90, plastic

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