

Submersible Depth Transmitter II

Features

- Low Cost
- 0.25% Typical Accuracy
- Rugged and Durable PVC Housing for Harsh Environmental Conditions
- Threaded Design for Easy Mounting
- Compact for Easy Deployment in Small Diameter Wells

Applications

- Surface Water
- Ground Water
- Wastewater Treatment Plants
- Storage Tanks



Description

The Submersible Depth Transmitter II (SDT-II) is a low cost pressure sensor designed for water level measurement applications in rigorous environmental conditions. Low range units are favorable for open-channel flow applications, while higher range units may be used for ground water, storage tanks, or other applications.

Internal electronics convert the signal to a 4-20mA output, with 4mA corresponding to zero depth (atmospheric pressure) and 20mA to rated depth for the selected range.

Submersible Depth Transmitter II



Technical Specifications

Power

12.5 - 35 VDC

Output

4-20mA current signal, linearly corresponding to range

Operating Temperature

33°F to 122°F (1°C to 50°C)

NOTE: The SDT-II should not be subjected to freezing water conditions

Media

Any media compatible with 316 stainless steel, PVC, nylon, and polyurethane

Accuracy

Linearity: 1.0% max, typically 0.25% of full scale

Zero: 4.0±0.2mA at 72° F (22°C)

Span: 20.0±0.5mA at 72° F (22°C)

Typical thermal zero drift: 0.1% of span per degree Celsius

Ordering Information

The Submersible Depth Transmitter II package includes the vented termination enclosure and desiccant. Information required to order the sensor is the range of water level change and the length of vented cable.

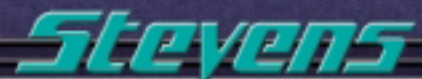
Part Number	Model	Range of Water Level Change And Maximum Depth			
		English in feet		Metric in Meters	
		Range (at sea level)	Maximum Depth	Range (at sea level)	Maximum Depth
45551	SDT-II 2.5	2.5	5	0.76	1.52
45552	SDT-II 5.0	5	10	1.52	3.04
45553	SDT-II 10	10	20	3.04	6.09
45554	SDT-II 25	25	50	7.62	15.24
45555	SDT-II 35	35	70	10.6	21.33
45556	SDT-II 50	50	100	15.2	30.48
45557	SDT-II 60	60	120	18.2	36.57
45558	SDT-II 75	75	150	22.8	45.72
45559	SDT-II 100	100	150	30.4	45.72

44049 – Vented Cable, required, please specify length

44574 – Additional Desiccant, optional

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