Turbidity Monitor

Model OBS-3

The OBS-3 Turbidity Monitor is a submersible probe manufactured by D & A Instrument Company. It uses a backscatter method to measure turbidity for the range of 0 to 4000 FTU. Our dataloggers require a voltage clamp that reduces the voltage output to 5 V for the CR1000 and CR23X, or 2.5 V for the CR10(X) and CR510. The standard calibration is included, and a three-point calibration is available upon request. The OBS-3 is compatible with our CR510, CR10(X), CR1000, and CR23X dataloggers.

Ordering Information

OBS-3-L

OBS-3 Turbidity Monitor. Enter lead length, in feet, after L.

Specifications

Non-linearity of turbidity: 2% (formazin, 0 to 2000 FTU)

Drift: <5% per year

Settling time: <1 second

Output impedance: <300 Ohms

Input voltage: 9 to 16 Vdc

Typical current drain: 14 mA

Maximum depth: 500 m (1640.5 ft)

Infrared wavelength: 875 nm

Dimensions: 1.2” (3 cm) diameter, 7.1” (18 cm) length

Weight: 0.4 lbs (181.4 g)