

OBS-4[®]

Sediment Instruments for all Environments

FEATURES

- Micro-size turbidity sensor
- Custom OEM packaging
- Low-power laser light source with automatic power control (APC)
- Choice of 650, 780, or 850 nm wavelengths

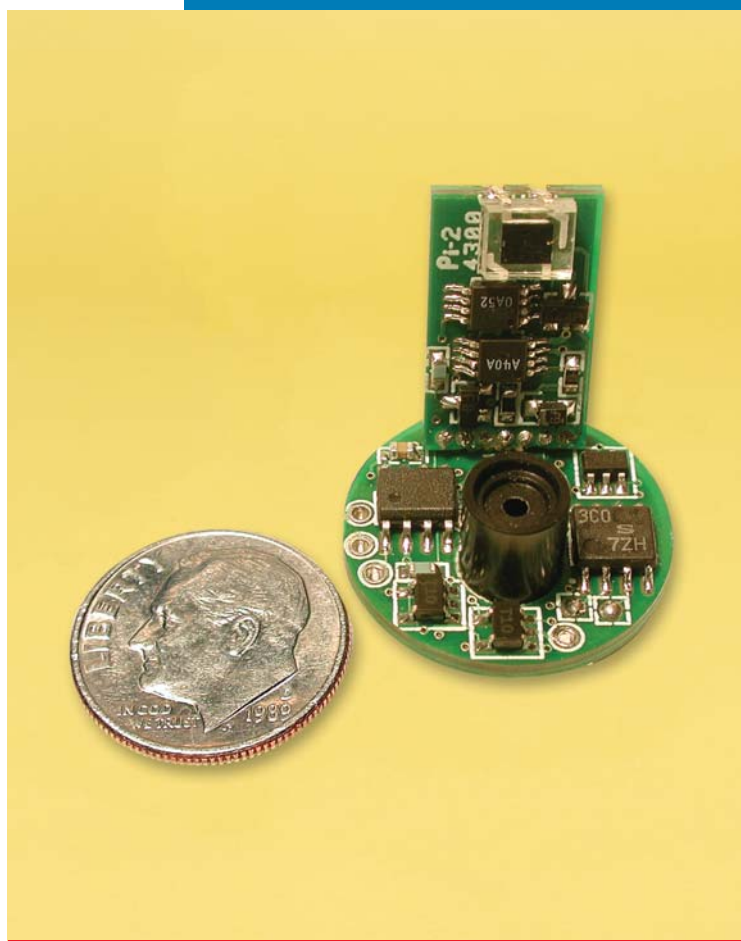
APPLICATIONS

- Flexible package design for the OEM system integrator

DESCRIPTION

The OBS-4 sensor measures suspended solids and turbidity with a proprietary, laser-based light-scattering by the ASTM insitu method. It features nearly linear response to turbidity, a temperature coefficient <0.05% per °C and extremely low drift, <2% per year.

Turbidity monitors for custom requirements.



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ORDERING INFORMATION

- Consult the manufacturer about your application.
- Specify cable length.
- Choose voltage-clamp or current-loop options.

PAYMENT AND SHIPPING TERMS

VISA and MasterCard accepted. COD, prepay, or LC without credit approval; Net 30 Days otherwise. EXW Port Townsend, Washington, USA

Represented by:

RANGES

Turbidity		0–1,500 NTU
Concentration ¹	Mud	0–3,500 mg/l
	Sand	0–35 g/l

¹ Range depends on sediment type.

ACCURACY

Turbidity		0.2 NTU or 1% of reading ²
Concentration	Mud	0.5 mg/l
	Sand	0.25 g/l

² Whichever is larger.

OTHER DATA

Maximum data rate	10 Hz
Operating wavelengths	650, 780, or 850 nm
Maximum depth	500 m
Drift	< 2% / year
Power	5 V / 10 mA
Housing material	User specified
Daylight rejection	-13 to -28 dB (re: 48 mW cm ⁻²)



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