

OBS[®]-3+

Sediment Instruments for all Environments

NEW in 2005!

Probe Dimensions (including connector):

L.O.A.: 141 mm

O.D.: 25 mm

F E A T U R E S

- Measures turbidity and suspended solids
- Compact low-power probe
- Integral voltage clamp and optional 4–20 mA current loop
- MCBH-5-FS, wet-pluggable connector

A P P L I C A T I O N S

- River and stream gauging
- Add-on sensor for CTDs, data loggers, and current meters
- Monitor dredging and mining operations
- Permit compliance
- Control water quality in settling ponds and tanks
- Sediment transport research
- Laboratory measurements

D E S C R I P T I O N

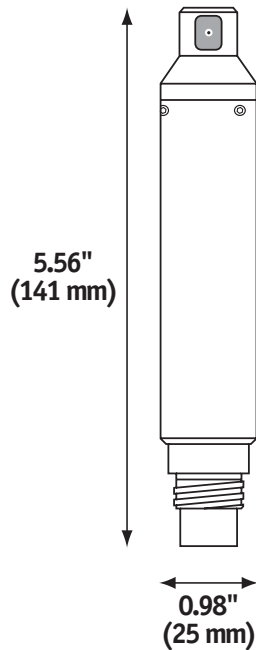
The OBS[®]-3+ sensor measures suspended solids and turbidity by the optical backscatter method. It features a micro-size probe with >98% linear response over a 1,000-fold change in sediment concentration (SSC) and turbidity.

Field-proven suspended solids and turbidity monitor.



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OBS-3+



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		0-4,000 NTU
Concentration ¹	Mud	0-5,000 mg/l
	Sand	0-50 g/l

¹ Range depends on sediment type.

ACCURACY

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

² Whichever is larger.

OTHER DATA

Voltage outputs	0-1.25 V, 0-2.50 V, or 0-5.00 V
Current output	4-20 mA (optional)
Maximum data rate	10 Hz
Infrared wavelength	850 nm
Maximum depth	500 m
Drift	< 2% / year
Power (voltage signal)	5-15 V / 15 mA
Power (4-20 mA signal)	9-15 V / 45 mA
Housing material	316 stainless steel or titanium
Dimensions	141 x 25 mm
Daylight rejection	-28 dB (re: 48 mW cm ⁻²)
Connector	MCBH-5-FS, wet-pluggable



**D & A
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