

OBS[®]-3A

Sediment Instruments for all Environments

NEW FEATURES!

- No cable required, runs 1,500–8,000 hours on 3 "D" cells
- Measures sediment concentrations to 5,000 mg/l & turbidity to 4,000 NTU with field-proven OBS[®] technology (U.S. Patent No. 4,841,157)
- Logs depth, wave height, wave period, temperature, and salinity
- Records 200,000 lines of data in FLASH
- Compact package — 76 mm (3") by 362 mm (14.3")
- Program setpoints & sampling times

APPLICATIONS

- Record turbidity at remote sites
- Monitor dredging & mining operations
- Wastewater effluent measurements
- Sediment transport research
- River and stream gauging
- Permit compliance

DESCRIPTION

The OBS-3A combines our OBS probe with pressure, temperature, and conductivity sensors in a battery-powered recording instrument. The monitor is operated with software running under Windows[®] 98, 2000, and XP.

NEW OPERATIONS!

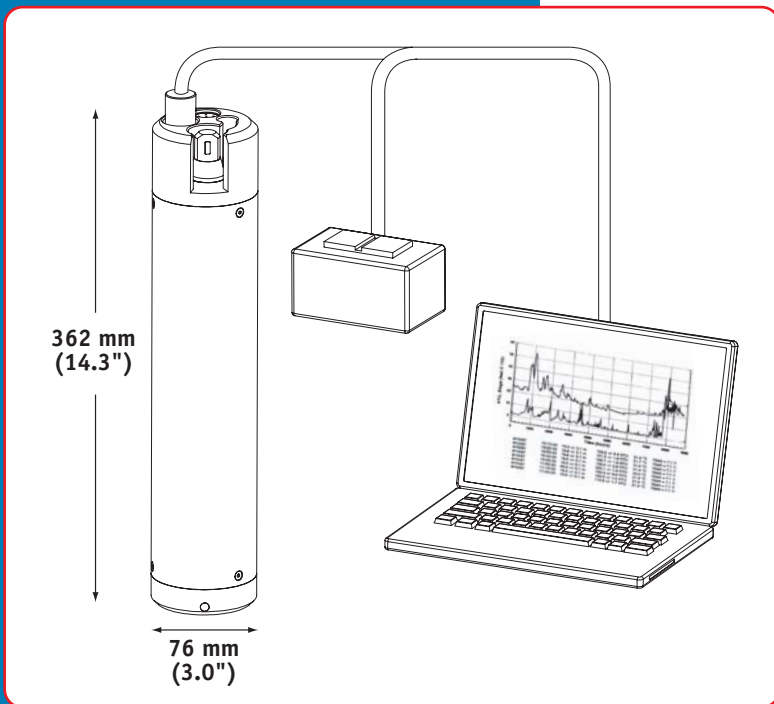
Users can program sampling schedules with a PC. When surveying, data are displayed in real time as they are recorded. During autonomous operation, the unit records data in FLASH which can be post-processed and graphically displayed with EXCEL or LOTUS.

Innovative logger of suspended solids, pressure, temperature, and salinity.



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OBS-3A[®]



ORDERING INFORMATION

- Consult the manufacturer about your application.
- Specify cable length.
- Choose sensor options for application.

PAYMENT AND SHIPPING TERMS

VISA and MasterCard accepted. COD, prepaid, 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
Pressure		0-200 dBar ²
Temperature		0-40° C
Conductivity		0-65 mS/cm

¹ Range depends on sediment type.

² 1 dBar is equivalent to about 1 meter of water.

ACCURACY

Turbidity	0-100	0.5 NTU
	100-500	2 NTU
	500-4,000	10 NTU
Concentration	Mud	0.5 mg/l
	Sand	0.5 g/l
Pressure		0.2% of f.s. ³
Temperature		0.05° C
Conductivity		0.07 mS/cm

³ f.s. = 50, 100, or 200 dBar

OTHER DATA

PC interfaces	RS-232 / 115 kbps
	RS-485 / 115 kbps
	USB
Maximum data rate	25 Hz
Infrared wavelength	875 nm
Maximum depth	300 m
Drift	< 2% / year
Connector	MCBH-7-FS, wet-pluggable



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