Ultraturb seawater sc turbidity sensor, 10 m cable

Product #:   **LPV415.99.32001**

AED Price: Contact Hach

The turbidity bypass sensor that brings clarity

The Hach Ultraturb sensor is Hach's most versatile turbidimeter. With its wide measurement range (0-1,000 NTU) and optional automatic cleaning system, the Ultraturb is well suited for everything from filter effluent and distribution systems to raw water monitoring. The Ultraturb uses a ratio methodology with 90° and 180° in a pressurized sample chamber to achieve a high degree of accuracy over its wide measurement range.

Large measuring range: 0.0001 - 1,000 NTU
The Hach Ultraturb plus sc Sensor measures turbidity from 0 - 1000 NTU (FNU) for a wide variety of low to medium range turbidity applications. Use it to effectively monitor conventional filtered water processes, effluent water, distribution systems, and elevated tanks where small-sized particulates or air entrapment may be an issue.

Self-Cleaning Sample Chamber Option
The Ultraturb sensor is available with an automatically self-cleaning sample chamber that guarantees stable measured values. The silicon wiper blades inside the sample chamber are held in place with a magnetic coupling wheel to further keep the sample chamber intact.

Ratio Methodology Detects Sample Chamber Fouling
The Ultraturb sensor uses ratio methodology with detection at 90° and 180° to minimize reflections in the measuring cell and on the windows. In this way, fouling of the sample chamber is detected earlier than with a single detection system.

Suitable for seawater, brackish water, raw water and other applications
The new Ultraturb seawater sc is resistant to salt concentrations up to 65 g/L.

Specifications

Accuracy:	± 0.008 FNU ±1% of reading whichever is greater
	(0 - 10 FNU)
Automatic wiper:	Yes
Cable length:	10 m
Calibration method:	Stablcal
Dimensions (H x W x D):	240 mm x 250 mm x 110 mm
Display:	Display provided through connection with Hach sc Controller
Enclosure waterproof rating:	IP55
Flow rate:	0.2 to 1 L/min
Inlet:	13 mm ID Tubing or fixed connection (PVC system component pipework)
Material:	Housing: ASA; Window: Quartz; Wiper Blade: Silicon; Wiper Shaft: stainless steel 1.4571

Measurement method:	90° infrared pulse scattered light technique in accordance with DIN EN ISO 7027
Measuring range:	0.0001 - 1000 FNU (TE/F, NTU, FNU) can be programmed as required (0.001-250 EBC = 2500 ppm SiO_2) (Note: 1 FNU is equivalent to 1 NTU)
Model:	Ultraturb seawater
Operating temperature range:	2 - 40 °C
Outlet:	13 mm ID Tubing or fixed connection (PVC system component pipework)
Pressure range:	6 bar at 20 °C
Repeatability:	± 0.003 FNU or ± 0.5% of reading (whichever is greater) from 0 - 2 FNU
Response time:	1 - 60 s (programmable)
Sample temperature:	Max. 50 °C
Sensor cleaning:	Wiper, automatic
Verification:	Stablcal or dry standard CVM module
Warranty:	24 months
Weight:	Approx. 1.5 kg
What's included?:	Hach Ultraturb seawater sc, Factory Test Certificate, 4 wipers, Accessory set LZP816, User Manual

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Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)