



## Ultraturb Seawater sc with 10 m Cable

**Product #:** LPV415.99.32002

**ZAR Price:** Contact Hach

**Ships within 3-5 weeks**

### The turbidity bypass sensor that brings clarity

Turbidities in the range of FNU (NTU) 0.0001-1,000 are measured and displayed alphanumerically using a controller. This high resolution facilitates precision differentiation, even for ultra clear liquids. A pulsed, long-life IR radiation source (LED) ensures that costs are minimized. Designed in accordance with DIN EN ISO 7027 and permanently calibrated before leaving the factory. All key data is set to practical standard values. The instruments are immediately ready for use after connection to the power supply and the supply of sample water. The measuring range and all data outputs are modified to suit requirements using menus on the controller. All optical and electronic assemblies are installed in housings that are physically very strong and proof against water jets.

#### Large measuring range: 0.0001 - 1,000 NTU

The Hach Ultraturb plus sc Sensor measures turbidity from 0 to 1000 FNU (NTU) 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.

#### 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.

#### 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.

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## 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 rating:	IP55
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 <sub>2</sub> ) (Note: 1 FNU is equivalent to 1 NTU)
Model:	Ultraturb seawater sc
Operating temperature range:	2 - 40 °C (36 - 104 °F)
Outlet:	13 mm ID Tubing or fixed connection (PVC system component pipework)
Pressure Range:	6 bar at 20 °C (87 psi at 68 °F)
Repeatability:	± 0.003 FNU or ± 0.5% of reading (whichever is greater) from 0 - 2 FNU
Response time:	1 - 60 s (programmable)
Sample Flow Rate:	0.2 to 1 L/min
Sample Temperature:	Max. 50°C (122°F)
Sensor cleaning:	Wiper, automatic
Verification:	Stablcal or dry standard CVM module
Warranty:	12 months
Weight:	Approx. 1.5 kg
What's included?:	Hach Ultraturb sc, Factory Test Certificate, 4 wipers, Accessory set LZIP816, User Manual

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## Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, US plug (Item LXV525.99E11551)
- 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)