



Ultraturb Seawater sc sensor with 5 m cable

Product #: LPV415.99.22002

ZAR Price: Contact Hach

Ships within 3-5 weeks

The Hach® Ultraturb Seawater sc sensor is a precisely measures turbidity of ultra-clear to medium turbid media for optimum filtration control in municipal and industrial water processing plants. Data display and processing of measured data is performed by Hach sc Digital Controllers.

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 Seawater 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 Seawater sc 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 Ultraturb Seawater sc sensor is resistant to salt concentrations up to 65 g/L.

Ratio Methodology Detects Sample Chamber Fouling

The Ultraturb Seawater sc 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.

Compatible with Hach Multi-Sensor, Multi-Parameter Digital Controller

The Ultraturb Seawater sc sensor can be used with Hach's sc Digital Controllers. The SC4500 controller accepts up to two sensors and the SC1000 accepts up to eight sensors. Multiple controllers can be networked to accommodate many more sensors and parameters, reducing the cost per measuring point. Just plug in any Hach "plug and play" digital sensor and it's

ready to use without software configuration. "Plug and play" connectivity means there's no complicated wiring or set up. Network the Ultraturb Seawater sc sensor with any of Hach's digital sensors for measuring dissolved oxygen, ORP, conductivity, and many other parameters.

The Hach Ultraturb Seawater sc sensor meets the ISO 7027 turbidity requirements for on-line process turbidity.

Specifications

Accuracy:	± 0.008 FNU ±1% of reading whichever is greater (0 - 10 FNU)
Automatic Wiper:	Yes
Cable Length:	5 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 SC4500 Digital Controller or Hach SC1000 Universal 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; Wiperarm: titanium alloy
Measurement method:	90° infrared pulse scattered light technique in accordance with DIN EN ISO 7027
Measuring range:	0.0001 - 1000 NTU (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 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
Resolution:	0.0001 to 0.9999 / 1.000 to 9.999 / 10.00 to 99.99 / 100 to 1000 FNU (NTU)
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
Warranty:	12 months
Weight:	Approx. 1.5 kg (3.3 lbs.)
What's included?:	Hach Ultraturb 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, 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)