



## UVAS plus sc UV probe for organic load (immersion/bypass), 50 mm path length

**Product #:** LXV418.99.90001

**AED Price:** Contact Hach

### Continuous measurement of organic load: UVAS plus sc

Used for measuring the sum parameters such as COD or TOC. Measures the spectral absorption coefficient SAC of a fluid at 254 nm in conformity with DIN 38404 C3. Measured values are displayed in 1/m.

The immersed probe comprises a multiple beam absorption photometer with effective turbidity compensation, a flash lamp photometer and wiper cleaning of the measuring windows. Immersed directly in the medium, without pumping or preparation of a sample, the sensor measures the content of dissolved organic compounds. The simple mounting and easy handling of the probe is guaranteed by a specially designed tank rim mounting hardware with 90° adapter.

The flow-through variant is used wherever direct measurement in the medium is not possible for construction related reasons or the medium load makes it necessary to measure a filtered sample (very high TSS contents, sewage treatment plant inlet, etc.).

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

#### No sampling or sample conditioning

#### Instant measured values

#### No reagents

#### Self-cleaning probe

#### Very high availability of measured values

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### Specifications

Application:	Drinking Water; Clear water
Cable length:	10 m fixed cable at sensor
Compensation:	550 nm
Configurations:	Sensor only
Connections:	Bypass: 4 mm ID / 6 mm OD hose
Control:	Control Function: PID, time control, 2-point controller (with SC controller)
Controller:	Sensor only
Controller compatibility:	SC4500, SC1000, SC200

Diameter:	70 mm
Dimensions:	70 x 333 mm (2.75 x 13.11 in.) approx.
Flow rate:	Bypass: 0.5 L/h minimum
Length:	333 mm
Maintenance requirements:	1 h/month in standard applications
Material:	Sensor enclosure: stainless steel 316, 1.4571, single sealed body
	Wiper axle: stainless steel 1.4104
	Cable gland: stainless steel 1.4305
	Cable gland seal: PVDF
	Profile carrier: stainless steel 1.4310
	Wiper arm: stainless steel 1.4581
	Wiper profile: Silicone
	Measuring window: Suprasil (quartz glass)
Measurement method:	UV absorption measurement (patented 2-beam technique)
	SAC 254 in accordance with DIN 38404 C3
Measuring interval:	≥ 1 min
Measuring Principle 2:	SAC 254 in accordance with DIN 38404 C3
Measuring range:	0.01 - 60 m <sup>1</sup>
Operating temperature range:	2 - 40 °C
Parameter:	SAC
Path Length:	50 mm
pH Range:	4.5 - 9 pH
Pressure range:	≤ 0.5 bar
Service interval:	6 months
User maintenance:	1 h/month, typical
Warranty:	24 months
Weight:	3.6 kg approx.
What's included?:	UVAS plus sc probe, user manual

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UVAS plus sc probe, user manual

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## Required Accessories

- SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug (Item LXV400.99.2R121)
- SC1000 Display Module (Item LXV402.99.00001)
- 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)