



## TSS sc Suspended solids probe, stainless steel, immersion style

Številka izdelka: LXV323.99.10001  
EUR Cena: Kontakt  
Odprema v 1 tednu

### From spring water to sludge - even under the most difficult conditions

Digital process probe for turbidity and suspended solids measurements. For the installation in open basins and channels.

The TSS sc probes can measure both on-line suspended solids and turbidity in one instrument. This flexibility enables the measurement of both parameters under the same application.

They have a double optical system with two pulsating infrared LEDs and four receivers. As the transmitted light is scattered, the receivers pick up the incident light at 90° and 120° angles effectively doubling the accuracy of the instrument. This eight channel measurement system, with an integrated bubble and temperature compensating software, enables the instrument to have a wide measuring range that effectively covers most applications, from the darkest pre-treated water to the freshest of spring waters, with one instrument.

The probes are made of polished stainless steel with a scratch resistant and easy to clean sapphire window design to withstand harsh environments.

### TSS sc probes have been specially developed for industrial applications

#### Measures turbidity and suspended solids

#### 8 measurement signals cover the total range and deliver measured values in conformity with the relevant standards

#### Excellent stability thanks to comprehensive compensation for interference factors

#### TSS sc has a unique compensation system to overcome the effects of air bubbles

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## Specifikacije

Aplikacija:	Standard
Avtomatsko čiščenje:	Ne
Delovna temperatura:	0 - 60 °C
Diameter:	40 mm
Dolžina:	330 mm
Dolžina kabla:	10 m (optional extension cables available)
Garancija:	24 mesecev
Konfiguracija montaže:	Immersion
Maksimalna temperatura:	60 °C
Material:	Optics Carrier and Sleeve: stainless steel 1.4460 / stainless steel 1.4571
Merilna metoda:	Combined multiple beam alternating light method with infrared diode system and beam focusing
	Turbidity (TRB): 2-channel 90° scattered light measurement in accordance with DIN EN ISO 7027, wavelength = 860 nm

	Solids (TS): 90° and 120° scattered light measurement, wavelength = 860 nm
Merilno območje:	0,001 - 9999 FNU
Model:	TSS sc
Način montaže:	Tank Immersion
Natančnost:	Turbidity: Up to 1000 FNU/NTU: < 5 % of measurement value or ±0.01 NTU, whichever is greater
Območje tlaka:	< 10 bar or < 100 m
Odzivni čas T90:	1 - 300 s adjustable
Parameter:	Turbidity, Suspended Solids
Ponovljivost:	TSS content: < 4 %
	Turbidity: < 3 %
Posebni zapiski:	Installation note:
	Distance sensor–wall
	> 50 cm (Turbidity)
	> 10 cm (TSS)
Pretok:	Max. 3 m/s (the presence of air bubbles affects the measurement)
Servisni interval:	1 h/mesec
Temperatura okolja:	0 - 60 °C (briefly 80 °C)
Teža:	Approx. 1.6 kg
Umeritev:	Turbidity (TRB): Factory calibrated
	Solids (TS): To be calibrated by customer on site
	Zero point: Permanently calibrated in the factory
Umertivena metoda:	Turbidity: Formazin or Stabcal Standard (at 800 NTU). Requires a calibration kit.
	Suspended Solids: Sample specific, based on gravimetric analysis with a correction factor procedure.
Vsebina paketa:	Turbidity & Suspended Solids sensor, user manual
Združljivost kontrolnih enot:	SC200, SC1000, SC4500. All controllers sold separately

## Vsebina paketa

Turbidity & Suspended Solids sensor, user manual

## Obvezni pripomočki

- Kontrolna enota SC4500, Prognosys, 5 izhodov mA, 2 digitalna senzorja, brez vtiča (Item LXV525.99A11551)
- Kontrolna enota SC4500, podpora za Claros, 5 izhodov mA, 2 digitalna senzorja, brez vtiča (Item LXV525.99AA1551)
- Kontrolna enota SC4500, podpora za Claros, 5 izhodov mA, 2 digitalna senzorja, vtič za EU (Item LXV525.99CA1551)