



TSS sc Inline suspended solids probe, stainless steel

Številka izdelka:

LXV323.99.30001

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 tanks and closed vessels with a ball valve armature.

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

Specifikacije

Aplikacija:	Standard
Avtomatsko čiščenje:	Ne
Delovna temperatura:	0 - 60 °C
Diameter:	40 mm
Dolžina:	332 mm
Dolžina kabla:	10 m (optional extension cables available)
Garancija:	24 mesecev
Konfiguracija montaže:	Insertion
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:	Ball Valve Insertion
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 %
Posebna značilnost:	Simple Inline installation
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 Stablcal 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)