



## **TSS EX1 sc Triclamp Suspended solids probe, stainless steel, ball valve fitting, ATEX**

**Številka izdelka:** LXV328.99.20001

**EUR Cena:** Kontakt

**Odprema v 2 tednih**

### **Measurements in potentially explosive atmospheres (ATEX Zone 1): TSS EX1 sc**

Digital process probe for turbidity (0.0001 - 4000 FNU) and suspended solids (0.001 - 500 g/L) measurements, for use in potentially explosive atmospheres (ATEX Zone 1). Installation in tanks and closed vessels with a welded TRICLAMP branch piece.

The probe 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.

TSS EX1 sc probes have been designed and certified for measurement in hazardous locations.

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

**Turbidity from 0.001 - 4,000 FNU and suspended solids from 0.001 - 500 g/L**

**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:	Hazardous locations
Avtomatsko čiščenje:	Ne
Delovna temperatura:	-10 - 50 °C
Diameter:	48.5 mm
Dolžina:	448 mm
Dolžina kabla:	10 m
Garancija:	24 mesecev
Konfiguracija montaže:	TriClamp
Maksimalna temperatura:	50 °C
Material:	Optics Carrier and Sleeve: stainless steel 1.4460 / stainless steel 1.4404; Wiper Arm: stainless steel 1.4581; Wiper Rubber: silicone rubber (standard) Optional: FKM/FPM (LZX578); Wiper Shaft: stainless steel 1.4104
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 - 4000 FNU
Model:	TSS EX1 sc
Način montaže:	Weld On TriClamp Fitting
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:	with Triclamp
Pretok:	Max. 3 m/s (the presence of air bubbles affects the measurement)
Servisni interval:	1 h/mesec
Temperatura okolja:	0 - 50 °C
Teža:	approx. 2.7 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)