



TSS HT sc Triclamp Suspended solids probe, stainless steel, for high temperatures, ball valve fitting

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EUR Cena:
Odprema v 2 tednih

Kontakt

For use at temperatures up to 90 °C: TSS HT sc

Digital process probe for turbidity and suspended solids measurements. For use in high temperature range. Installation in tanks and closed vessels with a welded TRICLAMP branch piece.

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.

TSS HT sc optics and electrical systems are coated with a special material to withstand operating temperatures of 90°C and pressures of up to 10 bar. The ability to withstand these conditions without the hassle of flow-through cells or cooling lines makes it the probe of choice for process control.

TSS sc probes have been specially developed for industrial applications

Measures both 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:	High temperature
Avtomatsko čiščenje:	Ne
Delovna temperatura:	0 - 90 °C
Diameter:	40 mm
Dolžina:	Inline sensor (TriClamp): 332 mm
Dolžina kabla:	10 m (optional extension cables available)
Garancija:	24 mesecev
Konfiguracija montaže:	TriClamp
Maksimalna temperatura:	90 °C
Material:	Gasket: FKM; Wiper: PA (GF), TPV
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 HT sc
Način montaže:	Weld On TriClamp Fitting, High Temperature
Natančnost:	Turbidity up to 1000 FNU/NTU: < 5% of the measured value ±0.01 NTU
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
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)