

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

Produktnr: **LXV325.99.20001**

SEK Pris: Kontakta oss
Skickas inom 2 veckor

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

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Specifikationer

Applikation:	High temperature
Automatisk Torkare:	Nej
Diameter:	40 mm
Flöde:	Max. 3 m/s (the presence of air bubbles affects the measurement)
Garanti :	24 månader
Installation:	Weld On TriClamp Fitting, High Temperature
Instrumentkompabilitet:	SC200, SC1000, SC4500. All controllers sold separately
Kabellängd:	10 m (optional extension cables available)
Kalibrering:	Turbidity (TRB): Factory calibrated Solids (TS): To be calibrated by customer on site

	Zero point: Permanently calibrated in the factory
Kalibreringsmetod :	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.
Längd:	Inline sensor (TriClamp): 332 mm
Material:	Gasket: FKM; Wiper: PA (GF), TPV
Mätmetod:	Kombinerad ljusteknik med strålväxling,
	IR-diodsystem
	och strålfokusering
	Turbiditet (TRB): Mätning med 2 kanaler 90° spritt ljus
	i enlighet med DIN/EN 27027/ISO 7027,
	våglängd = 860 nm
	Suspenderade ämnen (TS, torrsubstans): Mätning av 120° spritt ljus,
	våglängd = 860 nm
Mätområde:	Turbiditet: (TRB): 0,001 à 9999 FNU
	Suspenderade ämnen (TS): 0.001 à 500 g/L
Max Temperatur:	90 °C
Modell:	TSS HT sc
Monteringskonfigurationer:	TriClamp
Noggrannhet:	Turbidity up to 1000 FNU/NTU: < 5% of the measured value ±0.01 NTU
Omgivningstemperatur:	0 - 60 °C (briefly 80 °C)
Parameter:	Turbidity, Suspended Solids
Repeterbarhet:	TS-halt: < 4 %
	Turbiditet: < 3 %
Responstid T90:	1 - 300 s Justerbart
Specialfunktioner:	with Triclamp
Specialkommentarer:	Installation note:
	Distance sensor–wall
	> 50 cm (Turbidity)
	> 10 cm (TSS)
Tryckområde:	< 10 bar or < 100 m
Underhållsintervall:	1 h/månad
Vad ingår i leveransen:	Turbidity & Suspended Solids sensor, user manual
Vikt :	1,6 kg

Vad finns i förpackningen

Turbidity & Suspended Solids sensor, user manual

Obligatoriska tillbehör

- SC4500-styrenhet, Prognosys, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99A11551)
- SC4500-styrenhet, Claros-kompatibel, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99AA1551)
- SC4500-styrenhet, Claros-kompatibel, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, EU-stickkontakt (Item LXV525.99CA1551)
- SC4500-styrenhet, Prognosys, 5x mA-utgång, 1 digital givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99A11501)
- SC4500-styrenhet, Prognosys, 5x mA-utgång, 2 digitala givare, 24 VDC, utan stickkontakt (Item LXV525.99Z11551)