

МУТНОМЕРЫ STS 03



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Адрес сайта: <https://seli.nt-rt.ru> || эл. почта: sfs@nt-rt.ru

Turbidity Measuring Unit

Type STS 03

modular @ analyse

Turbidity Measuring Unit

Basic features

- ▶ Phase-Separation
- ▶ Quick product-change
- ▶ Reduced costs for waste water
- ▶ Filter-monitoring
- ▶ Colour-independent concentration measurement
- ▶ Extended measuring range
- ▶ Calibration ex factory 0...3AU
- ▶ Recalibration-capable with absorption-filter
- ▶ Measurements in absorption- /AU or Turbidity units(EBC, FAU, TEF, mg/l) or customised units (free adjustable)
- ▶ Additional customised calibration with up to 6 points
- ▶ Compact Design with integrated electronic and display for parameterisation
- ▶ Robust saphir-windows, CIP/SIP-suitable
- ▶ Hygienic Design, polymerfree-sealing system
- ▶ LED-light, LED durability > 100000 hours
- ▶ Integrated digital- and analog-output
- ▶ Simple parameterization
- ▶ Process-monitoring and documentation

Technical features

- ▶ 180° transmitted light turbidity measuring
- ▶ Measuring range 0...3AU, 0...3250EBC 0...13000 FAU
- ▶ Wave length 880 nm
- ▶ Light source LED
- ▶ Optical pathlength 5
- ▶ Made of high grade steel 1.4435 (316L)
- ▶ Finish quality electropolished <0,37 µm Ra
- ▶ Window: Saphir
- ▶ Supply voltage 12...30VDC
- ▶ Output current 4...20mA
- ▶ Output PNP Normally Closed / Normally open, parametrisable / 150 mA max.
- ▶ Cable-Connection M12-plug, 5-pole
- ▶ Process-connection 1/2" elastomerfree sealing system
- ▶ Ambient-temperature -20...70°C
Process-temperature 0...90 °C, 140 °C max. for 2 hours (SIP-cycle)
- ▶ Process-pressure 10 bar (150 psig) max. at 60 °C



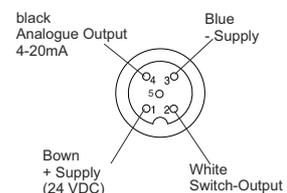
supported by



Optical Pathlength (OPL)



Pin Configuration



Favoured fields of application are:

STS 03 is a measuring unit to measure the optical density of liquids, to control process-results continuously or to define changes securely. Especially suitable for separator-controlling, phase-separation, filter-monitoring and concentration measurement as well as quality control

ATTENTION!

At lower deviation of dew points water condensation is possible, that can destroy the sensor. At stress with change of temperatures, e. G. a cold water jet on the hot sensor, it can come to absorption of fluids in to the sensor. (Requirements cf. DIN EN 60068-2-14)
At applications with dew point, temperature shock or thermal shock stresses we recommend to put in the enclosed silikagel-bag into the connecting head.

Optical systems should be switched off at higher temperatures e.g. 90°C because of the lifetime of the transmission diode. See Manual.

The tightness classification after IP68 does not mean that these parts are suitable for applications with lower deviation of dew point or temperature shock. (DIN 60068-2-14)



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