

PRODUCT INFORMATION

PROCESS ANALYSIS

1720E TURBIDIMETER SC



The new bypass sensor for low turbidities: 1720E sc

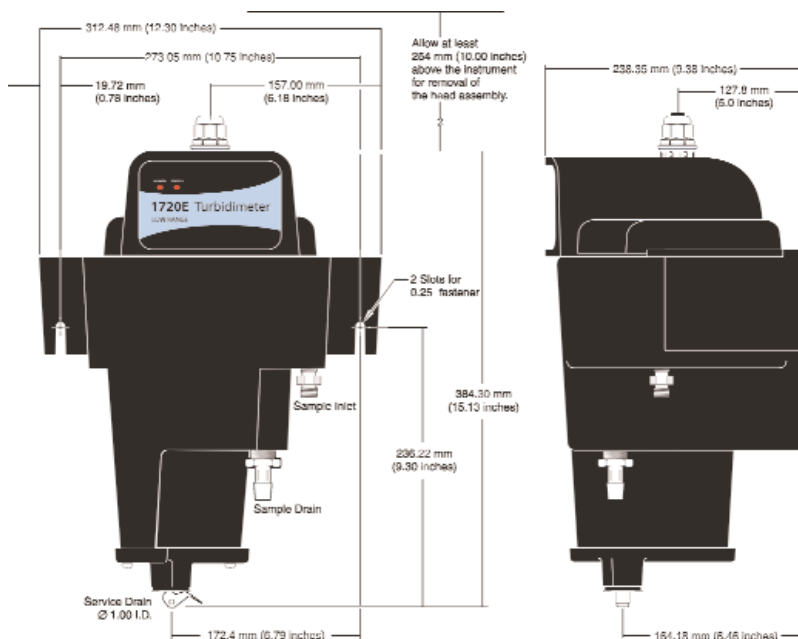
- **Optimised sensor technology for very low turbidities**
- **Interference-free due to patented bubble trap**
- **Can be combined with other probes as required using SC controller**
- **Plug and play with SC controllers**

1720E sc - further developed for clear media

The 1720E sc is the logical further development of the well-known, market-leading 1720 series of white light sensors that comply with the standard US-EPA 180.1. With a measuring range from 0.0001 NTU to 100 NTU, the 1720E sc is suitable for the measurement of clear to slightly turbid media. Its use facilitates optimal filtration management in municipal and industrial water treatment.

Easy to use and time-saving

The clever design means that cuvette cleaning is not necessary on the 1720E sc thus reducing maintenance and expensive downtimes. Protracted interruptions during calibration and verification are also avoided by the use, for instance, of STABL CAL standard. All measured data are reliably and efficiently digitally processed in an SC controller.



The dimensions of the Turbidimeter 1720E sc are 524 x 305 x 406 mm (W x H x D), a clearance of 254 mm is required above the instrument.

HACH LANGE services



Orders, information and consultation without delay:
Tel. 012 56 333 403



Support on-site by expert sales team.

Technical data

Measuring technique	90° scattered light technique in accordance with USEPA 180.1 (Wolfram white light)
Measuring range	0.0001-100 NTU (TE/F, mg/l) can be programmed as required
Resolution	0.0001-9.9999 / 10.000-99.999
Precision	±0.015 NTU bzw. ±2 % (0-10 NTU), ±5 % (10-40 NTU), ±10 % (40-100 NTU)
Reproducibility	±0.002 NTU or ±1.0%
Variation coefficient	1 % in accordance with DIN 38402
Response time	6, 30, 60, 90 s (can be programmed as required), 75 s over full measuring range
Air bubble compensation	Physical using integrated bubble trap
Calibration	Using formazine or STABL CAL standards
Verification	Dry standard ICE-PIC or STABL CAL
Sample size required	Min. 0,25 l/min, max. 0,75 l/min.
Sample temperature	Max. 50 °C
Ambient temperature	With one sensor: +2 to +50 °C; With two sensors: +2 °C to +40 °C
Sample connection	Sample inlet: 1/4" NPT female thread Sample drain: 1/2" NPT female thread (hose connectors included)
Materials	Corrosion-resistant polystyrene
Enclosure rating	NEMA 4X / IP 66
User maintenance	1.5 h / month
Weight	Approx. 4.54 kg
Display unit	Controller SC 100 (model LXV401) or SC 1000 (model LXV400 and LXV402)

Ordering information

DESCRIPTION	ART. NO.
1720E sc turbidity bypass sensor with 2m cable	LPV417.99.00001
ACCESSORIES	
Turbidity standard formazine 4000 NTU	LCW813
Formazine calibration kit (calibration cylinder, TenSette pipette, 500 ml bottle 4000 NTU formazine primary standard)	44156-00
0.2 µm membrane filter for zero point check (without hose)	EXF014
STABLCAL calibration standard	
- >0,1 NTU (1 l)	26597-53
- 1 NTU (1 l)	26598-53
- 20 NTU (1 l)	26601-53
ICE-PIC verification / calibration module (dry standard)	
- 1 NTU	52215-00
- 20 NTU	52250-00
Extension cable 7 m	58659-00
Sun canopy	58690-00
Mounting stand	52160-00
SPARE PARTS AND CONSUMABLES	
Wolfram photometer lamp	18950-00
Sample drain plug	44116-00

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