

PRODUCT INFORMATION

PROCESS ANALYSIS
HAND-HELD ANALYSER

TSS PORTABLE



TSS PORTABLE: hand-held turbidity and solids analyser

- ➔ Ideal for use in the field, thanks to compact design
- ➔ Internal memory for measured values and sample information
- ➔ User friendly menu and clear display
- ➔ Battery status always visible

Mobile monitoring on site

The TSS PORTABLE can be used wherever monitoring is necessary but no online sensor is installed. The compact portable analyser can measure in single, interval or continuous mode in surface water, inflows and sedimentation tanks. The high-performance batteries enable the instrument to be operated for up to four hours even in continuous mode. To save the batteries, the TSS PORTABLE switches itself off automatically when not in use.

Reliable data logging

Up to five measurement locations can be registered by name in the TSS PORTABLE. On site, the user selects the preconfigured location and carries out the measurement. Markings on the cable show the immersion depth. Back in the plant, the values can be viewed by location and time. All measured values are saved together with identifier, date and time.

Technical data

Type	TSS PORTABLE hand-held analyser	
Article no.	LXV322.99.00001	
Parameter	Turbidity	Solids
Measurement method	Combined multiple beam alternating light method with infrared diode system and beam focusing; wavelength 860 nm 2-channel 90° scattered light measurement in accordance with DIN EN 27027 / ISO 7027; additional measured value verification by six-channel multiple angle measurement	Modified absorbance measurement: Six-channel multiple angle measurement
Measuring range	0.001–4,000 FNU	0.001–400 g/l (the upper limit depends on the medium in which the measurement is carried out)
Resolution	0.001 at 0–0.999 FNU 0.01 at 1–9.99 FNU 0.1 at 10–99.9 FNU 1 at >100 FNU	0.001 at 0–0.999 g/l 0.01 at 1–9.99 g/l 0.1 at 10–99.9 g/l 1 at >100 g/l
Accuracy	Typical <3 % of measured value at 1–1,000 FNU	Typical <4 % of measured value at 0.5–20 g/l
Wavelength reproducibility	Typical <4 % of measured value	Typical <5 % of measured value
Units	FNU, NTU, EBC	ppm, mg/l, g/l, %
Calibration	1 calibration curve (factory-calibrated)	4 calibration curves
Operating mode	Single, interval and continuous measurement	
Air bubble compensation	Via software	
Sample temperature	0–60 °C, up to 80 °C for short periods only	
Pressure range	Max. 10 bar	
Display	LCD, alphanumeric, 4 lines of 16 characters each	
Input	6 touch-sensitive keys, menu with fast access to important functions	
Power requirement	24 VDC	
Current input	Approx. 60 mA	
Internal data memory	For up to 290 measured values	
Interface	RS485	
Material	Probe: Stainless steel, sapphire	
Cable	10 m, PUR, diameter 8.3 mm; plug S-2000, 6-pole	
Protection rating	IP 65	
Dimensions	Probe: 290 × 40 mm (H × D) Hand-held unit: 110 × 230 × 40 mm (W × H × D)	
Weight	Probe: 1,600 g Control unit: 560 g	

HACH LANGE Services



Contact us to place an order, request information or receive technical support.



www.hach-lange.com
Up to date and secure, with downloads, information and e-shop.



Service packages and extended warranty up to 5 years.



On site technical support.



Quality assurance, complete with standard solutions, instrument checks and test solutions.



Handy for use in the field: TSS portable in dustproof case

شرکت حساس گمانه شهران

شیراز، بلوار معالی آباد، نبش ۳۵ متری دوستان
ساختمان اداری الوند، واحد ۷۰۴
تلفن: ۰۲۳۰ ۶۲۳ (۰۷۱۱)
فاکس: ۰۲۳۰ ۶۲۳ (۰۷۱۱)

شرکت پایا روند جم

سندج، خیابان پاسداران، مجتمع تجاری
کردستان، واحد ۲۲۸
تلفن: ۰۳۲۸۶۸۶۰ (۰۸۷۱)
فاکس: ۰۳۲۶۰۴۵ (۰۸۷۱)

شرکت طراحی و مهندسی صبا آفرینان شرق

مشهد، بلوار پیروزی، کسای جنوبی،
نبش کسای ۱۶، پلاک ۲۶
تلفن: ۰۸۷۸۸۴۴۸ (۰۵۱۱)
فاکس: ۰۸۷۸۲۰۲۹ (۰۵۱۱)

دفاتر منطقه ای:

شرکت خدمات مهندسی جنوب

اهواز، امانیه، خیابان منصفی
بین لقمان و مدرس، پلاک ۱۴
تلفن: ۰۳۳۳ ۵۳۰۵ (۰۶۱۱)
فاکس: ۰۳۳۳ ۵۵۰۹ (۰۶۱۱)

شرکت فنی و مهندسی گیان دانش

اصفهان، خیابان شیخ صدوق جنوبی
مقابل دبیرستان سمیه، پلاک ۴۹۶
تلفن: ۰۳۱۱ ۶۶۹۵۱۲۱-۳
فاکس: ۰۳۱۱ ۶۶۸۸۷۲۲

شرکت مهرگان صنعت آب

نماینده انحصاری کمپانی HACH-LANGE آلمان

تهران، بلوار میرداماد، میدان مادر، خیابان شاه نظری
خیابان کوشا، پلاک ۴۵ صندوق پستی: ۱۹۳۹۵ - ۴۵۳۷
تلفن: ۰۲۲۹۰۵۷۸۳ - ۷
فاکس: ۰۲۲۲۵۰۱۲۴
info@mehrgan-sanat.com
www.mehrgan-sanat.com