TSS Portable Hand-held Turbidity, Suspended Solids, and Sludge Level System



Brand:
Product Code: 299-15
Availability: Call for availability
Lead Time: 120
Call for Price: 832-320-7300

Description
Compact instrument for analytical determination by continuous measurement mode with integration time setting. Adjustment of up to 5 measuring points, storage of measuring values with name, date and time. Shockproof. Combined multiple beam alternating light method with infrared diode system and beam focusing; wavelength 860 nm. The measurement ranges for turbidity and suspended solids are: 0.001 - 9999 FNU and 0.001 - 400 g/L respectively.

Specifications

- Cable Length: 10 m (32.8 ft.) cable with marks for distance
- Current Input: Approx. 60 mA
- Dimensions:
    - Probe (Ø X L) 40 mm x 29 cm (1.57 x 11.42 in.)
    - Meter (H X W X D): 110 x 230 x 40 mm (4.33 x 9.06 x 1.57 in.)
    - Case L: 450 mm (17.7 in)
- Display: Alphanumerical display, 4 rows of 16 characters
- Material
    - Sensor Body: stainless steel
    - Probe: stainless steel
    - Sensor Window: sapphire
- Measurement Modes: Continuous measurement, integration time settings 0 - 1000 seconds

- Measuring Principle:
    - Combined multiple beam alternating light method with infrared diode system and beam focusing.
    - Turbidity: 2-channel 90° scattered light measurement in accordance with DIN/EN 27027/ISO 7027
    - additional measurement value verification through six-channel multiple-angle measurement
    - Solids: Modified absorption measurement; six-channel multiple-angle measurement
- Measuring Range TSS: 0.001 - 400 g/L (upper range depending on sample characteristics)
- Measuring Range Turbidity: 0.001 - 9999 FNU
- Memory: Up to 290 measuring points
- Operating Pressure: 0 to 10 bar (0 to 145 psi)
- Operating Temperature Range: 0 - 60 °C
- Power: Automatic shut down after 4 minutes (if no button has been pressed and no permanent measurement is activated)
- Precision Suspended Solids: < 4 % ± 0.001 g/L , whichever is greater
- Precision Turbidity: < 3 % or ± 0.02 NTU , whichever is greater
- Pressure Range: Max. 10 bar
- Protection Class: Probe IP68; Control unit IP 55
- Range: TSS 0.001 - 400g/L
- Turbidity 0.001 - 9999 FNU
- Relative Humidity: 0 - 95 %
- Resolution: Suspended Solids: 0.01 at 1 - 9.999 g/L
- Resolution: Suspended Solids: 0.1 at 10 - 99.9 g/L
- Resolution: Suspended Solids: 1 at greater than 100 g/L
- Resolution turbidity: 0.01 @ 1 - 9.99 NTU
- Resolution turbidity: 0.1 @ 10 - 99.9 NTU
- Resolution turbidity: 1 at greater than 100 NTU
- Resolution turbidity: 0.001 @ 0 - 0.999 NTU
- Sensor Cable: 10 m

What's included?

Turbidity, Suspended Solids and Sludge Level probe, meter, rechargeable batteries, user manual, carrying case.

The battery charger must agree with local and national safety regulations and may not be part of the shipment. If the charger is not part of the shipment, charge the batteries with a charger available in your country. Make sure that the charger

agrees the battery specifications.