TURBIDITY METER

PCE-TUM 50



- **High precision**
- **3 measuring units**
- **Turbidity calibration up to 7 points**
- **Color display**
- **Easy handling**
- **USB interface**

The turbidity meter PCE-TUM 50 is a portable device for measuring turbidity according to ISO 7027. This allows the user to quickly and easily determine important water parameters with the turbidity meter and to check the quality of drinking water and waste water. The calibration of the turbidity meter PCE-TUM 50 is very easy due to the calibration standards supplied. The calibration can be carried out with 7 preset points. In addition, user-specific calibration points can also be set. The turbidity meter is capable of measuring turbidity of liquids up to 2000 NTU.
Furthermore, the measuring unit can be switched to EBC (European Brewery Convention) or ASBC (American Society of Brewing Chemists). The measured values ⍰⍰are displayed on the large color display. The turbidity meter is mainly used in the laboratory and is therefore operated with a plug-in power supply. Via the rear USB interface, the turbidity meter can be connected to a computer and the memory can be cleared.
What is the EBC or European Brewery Convention? (See above in the picture gallery) As EBC, the color or the color intensity of beer and wort is described in Europe. This set value describes how much light is absorbed by beer with a certain original wort content. The turbidity meter can determine this value and thus helps in judging the type of beer.

Specification

Turbidity	
Measuring range	0 ... 100 NTU
Resolution	0,01 NTU
Accuracy	±(2% of meas. val. + 1.00 NTU)
Turbidity	
Measuring range	100 ... 999 NTU
Resolution	0,1 NTU
Accuracy	±(3% of meas. val. + 1.00 NTU)
Turbidity	
Measuring range	999 ... 2000 NTU
Resolution	1 NTU
Accuracy	±(3% of meas. val. + 1.00 NTU)

General technical data	
Display type	LCD with backlight
Storage capacity	200 Values
Interface	USB
Standard(s)	ISO 7027
Current consumption meter	300 mA
Automatic power-off	2 h
Light source	LED, infrared at 850 nm
Measuring angle	90 °
Calibration	Multiple points: <0.02 NTU 10 NTU 200 NTU 500 NTU 1000 NTU 1500 NTU 2000 NTU Or user-specific
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	12 V
Connector type	Device-europlug
Operating conditions	0 ... 60 °C , 0 ... 85 % RH
Storage conditions	0 ... 60 °C , 0 ... 85 % RH
Dimensions (L x W x H)	250 x 177 x 96 mm
Weight	1200 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk