

TN100 Portable Turbidity Meter



Flip cover of the sample well



TFT color Screen, showing blue background in measuring mode, green background in calibration mode, progress bar displays measuring progress, plus text and graphic operation directives.



Provided with 4 kinds of Reagecon high-molecular polymer turbidity standard solutions (0.02 NTU, 20.0 NTU, 100 NTU, 800 NTU), U.S. EPA certified, non-toxic, and easy to use. Compared with the traditional Formazin standard solution, with evident advantages.

	Reagecon high-molecular polymer	Formazin
Toxicity	Non-toxic	Highly toxic
Accuracy	±1% (all solutions)	±10% (4000 NTU), 30% (diluted solutions)
Shelf Life	One year	Several hours to several days
Traceability	traceable to NIST and so on	Non-traceable
Usability	Can be used anytime, very convenient	Preparation needed before every use

Specifications

Measuring Method	ISO 7027 compliant nephelometric Method (90°)
Measuring Range	0 ~ 1000 NTU , Automatic range selection 0.01~19.99 NTU 20.0~99.9 NTU 100~1000 NTU
Resolution	0.01 / 0.1 / 1 NTU
Indication Error	≤ ±2 % reading± stray light
Repeatability	≤ ± 1% of reading or 0.02 NTU, subject to whichever is greater
Calibration Standards	0.02 NTU, 20.0 NTU , 100 NTU, 800 NTU (Polymer)
Light Source	Infrared-emitting diode (850 nm wavelength)
Detector	Silicon photovoltaic
Display	TFT color screen
Sample Vials	Φ25×60 mm, high borosilicate glass with screw cap
Sample Volume	18 ml
Operating Temp. Range	0 to 50°C (32°F to 122°F)
Power Supply	4x "AA" Alkaline Batteries
IP Rating	IP67
Dimension / Weight	Meter: (90×203×80) mm / 385 g Carrying case: (310×295×110) mm / 1.5 kg
Quality and Safety Certificate	ISO9001: 2008 & CE

What's in the box?

TN100 Meter	AA Alkaline Batteries×4
Standard Solutions (18 ml): 0.02 NTU×1, 20.0 NTU×1, 100 NTU×1, 800 NTU×1	Screw Driver×1 (to remove battery cover)
Sample Vial×3	Carrying Case
Silicone Oil (10 ml)×1	Instruction Manual
Soft Cloth×1	