Thermo Scientific
Eutech TN-100 Turbidimeter

Lightweight and waterproof for turbidity measurements

- Lightweight, ergonomic, and waterproof to IP67 – and it floats!

- New design for fast response – full step change in as little as 6 seconds

- Auto range up to 2000 NTU

- Designed to perform over 1,200 tests with most AAA batteries with advanced power management design

- Meets ISO 7027 standards and offers consistent light source for outstanding accuracy

- Three year warranty*

Applications: Ideal for beverage production, drinking water, swimming pools, aquariums, aquaculture and environmental applications

Thermo Scientific™ Eutech™
TN-100 waterproof turbidimeter

Waterproof and Dustproof Housing

IP67-rated waterproof housing allows operation in wet conditions ensuring durability, and easy cleaning and maintenance.

Auto-Ranging from 0 to 2000 NTU

Meter is designed to determine the sample's turbidity level and automatically adjust to the appropriate measurement range.

Sturdy Carrying Case With Accessories

Compact case contains all items necessary for turbidity measurements and protects the meter when not in use. Contents include turbidity meter, four primary calibration standards, three borosilicate sample cuvettes with light shield caps, collection bottle, lint-free cloth, silicone oil, and batteries.

Advanced Power Supply Management

Can measure over 1,200 samples with a single set of batteries, delivering quick, stable results in as little as six seconds. Features auto-off function.

Simple, Display-Prompted Push-Button Calibration

Pressing the "CAL" button initiates the quick and simple calibration procedure. The instrument automatically prompts the user for the next calibration standard.

Large, Easy-to-Read Display

Large, user-customized LCD display shows readings with units of measure and user-friendly message codes that guide meter operation.
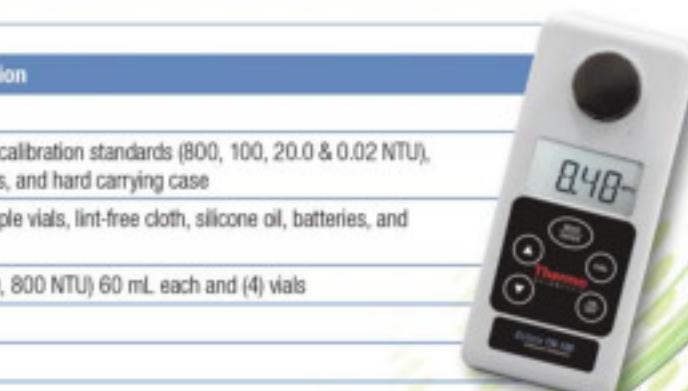
* Subject to terms of manufacturer's standard limited warranty.

Thermo Scientific Eutech TN-100 Waterproof Turbidimeter

Specifications

Measuring Parameter	Turbidity
Highlights	Light weight, IP67 waterproof meter
Principle	Nephelometric non-ratio / ISO 7027 and DIN 27027 compliant
Range	0 to 2000 NTU
Automatic Range Selection	0.01 to 19.99 NTU; 20.0 to 99.9 NTU; 100 to 2000 NTU
Resolution	0.01 NTU (0 to 19.99 NTU); 0.1 NTU (20.0 to 99.9 NTU); 1 NTU (100 to 2000 NTU)
Accuracy	< 0.1 NTU for 0.02 NTU standard; ±2 % of reading ±1 digit for 0 to 500 NTU; ±3 % of reading ±1 digit for 501 to 2000 NTU
Repeatability	≤ ±1 % of reading
Calibration	Up to 4 points
Calibration Standards	0.02 NTU, 20.0 NTU, 100 NTU, 800 NTU
Response Time	< 6 secs for full step change
Sample Volume	10 mL
Light Source	Infrared-emitting diode (850 nm wavelength)
Operating Temperature Range	0 to 50 °C
Sample Temperature Range	0 to 50 °C
Enclosure Type & Rating	ABS plastic & IP67 rated
Power	4 x 1.5 V 'AAA' alkaline batteries (> 1200 readings)
Certifications/Compliance	FCC part 15 class A, TUV 3 in 1, CE, RoHS
Dimensions (LxWxH)	**Meter:** 15.5 x 6.8 x 4.6 cm; **Boxed:** 35.5 x 16.5 x 10.5 cm
Weight	**Meter:** 200 g; **Boxed:** 1,160 g

Ordering Information

Order Code	Description
ECTN100IR	Waterproof TN-100 handheld turbidimeter with set of 4 calibration standards (800, 100, 20.0 & 0.02 NTU), set of 7 sample vials, lint-free cloth, silicone oil, batteries, and hard carrying case
ECTN100NOSTDS	Waterproof TN-100 handheld turbidimeter, set of 7 sample vials, lint-free cloth, silicone oil, batteries, and hard carrying case
TN100CALKIT	Calibration kit set – standard solutions (0.02, 20.0, 100, 800 NTU) 60 mL each and (4) vials
ECTN100CUVKIT	Pack of 3 cuvettes (vials)
ECTN100CUVKIT4	Pack of 4 cuvettes (vials)
ECSILICONEOIL	Silicone oil (10 mL)
32X366401	Replacement light shield cover
67X357201	Replacement cloth

60 mL bottles of US EPA-approved non-formazin standards – stable and easy to use

Index markings on the cuvettes make it easy to perform repeatable measurements