

QT900 Handheld Turbidimeters

Designed to provide the ease of portability needed in the field with rugged durability, the QT900 is a necessity for anyone monitoring turbidity on the go. The shock resistant carrying case holds everything necessary for field operation while the instrument itself removes easily to go wherever it is needed. With a resolution of 0.01 NTU and an extended range to 1100 NTU, the QT900 is a perfect partner for field use. Advanced micro circuitry design substantially increases lamp and battery life.



- **Rugged Self-Contained Carrying Case**
Contains everything needed, including battery pack, manual and calibration standards
- **Waterproof**
Waterproof housing allows sample measuring and cleaning in any wet environment
- **Auto Ranging 0 ~ 1100 NTU**
Instrument senses turbidity level of sample and automatically adjusts to the appropriate measurement range
- **Standards Kit**
Each QT900 Turbidimeter is supplied with a Calibration Kit manufactured using USEPA and ISO 7027 accepted primary standards materials
- **Built-in Self Diagnostics**
- **Economical cost**

SPECIFICATIONS

Conformance	USEPA method 180.1 (QT900) ISO 7027 (QT900IR)
Measuring range	Auto-ranging from 0 ~ 1100 NTU
Principle of operation	Nephelometric
Certification	CE, designed to meet IP67 and NEMA 4X
Accuracy	± 2% of reading or ± 0.01 NTU whichever is greater (0 ~ 500 NTU) ± 3% of reading (500 ~ 1100 NTU)
Resolution	0.01 NTU < 100 NTU 0.1 NTU < 100.0 ~ 999.9 NTU 1 NTU < 1000 ~ 1100 NTU
Response time	14 seconds
Display	4 digit (7 segment) LCD
Light source	(QT900) White light (Tungsten) (QT900IR) Infrared — LED (860 nm)
Power supply	4x AAA Alkaline batteries (over 5000 tests)
Sample cells	10ml
Dimensions	28 x 30.5 x 7.6cm
Weight	1.22 kg

ORDERING INFORMATION

QT900	Handheld Turbidimeter (white light), includes: meter, set of calibration standards, indexing rings, 4 AAA batteries, measuring cuvettes with light shield caps, operation manual and carrying case
QT900IR	Handheld Turbidimeter (Infrared), includes: meter, set of calibration standards, indexing rings, 4 AAA batteries, measuring cuvettes with light shield caps, operation manual and carrying case
QT910X	Calibration kit (0.02, 10 and 1000 NTU)
QT911X	Cuvettes with light shield caps, 3/pk

QT800 Laboratory Turbidimeters



Designed to provide the accuracy demanded by today's scientist, the QT800 Laboratory Turbidimeter is ready to meet the challenge. Features such as the Auto Alert Calibration Prompt and the Quick Connection Lamp Module, allow for simple calibration and low maintenance. With a resolution of 0.01 NTU at low turbidity readings and an extended range to 1000 NTU, the QT800 is an ideal and affordable tool for research as well as routine analytical measurements.

- **Auto Ranging 0 ~ 1000 NTU**
Instrument senses turbidity level of sample and automatically adjusts to the appropriate measurement
- **Auto Alert Calibration Prompt**
Automatically prompts the operator when calibration of the instrument is needed
- **Simple Calibration Procedures**
Calibration initiated with the push of a button ensures accurate readings
- **RS-232 Output**
Date, time and NTU reading can be captured with a serial printer or data recorder
- **Infrared Light Source (QT800IR)**
Meets international standard ISO 7027 for turbidity measurements
- **Pour Through Assembly**
Save time by pouring your grab sample through the measurement chamber

SPECIFICATIONS

Range	Auto ranging from 0 ~ 1000 NTU
Measurement principle	Nephelometric non-ratio
Accuracy	± 2% of reading plus 0.01 NTU whichever is greater
Resolution	0.01 NTU (0 ~ 9.99 NTU) 0.1 NTU (10 ~ 99.9 NTU) 1 NTU (100 ~ 1000 NTU)
Response time	6 seconds
Sample size	30ml (27ml minimum)
Light source	Quick Connect Tungsten Filament or Infrared
Operation Temperature	0 ~ 50°C
Outputs	RS-232
Dimensions	27.3 x 25.4 x 9.5cm
Weight	1.32 kg

ORDERING INFORMATION

QT800	Laboratory Turbidimeter (100 ~ 240 VAC), includes meter, calibration standards (0.02, 10 and 1000 NTU), 2 measuring cuvettes with light shield caps, power adapter and operation manual
QT800IR	Laboratory Turbidimeter Infrared (100 ~ 240 VAC), includes meter, calibration standards (0.02, 10 and 1000 NTU), 2 measuring cuvettes with light shield caps, power adapter and operation manual
QT810X	Pour Through Assembly
QT811X	Calibration set (0.02, 10 and 1000 NTU)
QT812X	Cuvettes, 28 x 700mm, 3/pk
QT813X	Formazin Stock Solution Kit