



## Portable Turbidity Meter Kits

Easily measure water sample turbidity in the field or on the bench

- Seamless method compliance for EPA, ISO, and other global regulatory standards
- Rugged, portable design adapts to use in the field or in the laboratory
- Simplistic user interface for easy operation at any skill level
- Standards included as a kit so your technicians are ready to calibrate and measure right out of the box!



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## T80 and T100 Series Turbidimeters

US EPA safe drinking water regulations require measurement of turbidity every 15 minutes. Wastewater facilities require turbidity measurement before and after filter bed backflush. In any lab or field setting, Environmental Express turbidity meters provide adaptability needed to easily complete timely, error free testing requirements.

Our portable turbidity meters have a rugged waterproof, IP67-rated design suitable for use in all environments. Automatic functions like “continuous” measurement mode generate maximum, and minimum measured values for multiple readings as well as averaging for  $\geq 10$  readings. Automatic accurate measurement and data treatments means testing schedules are easily maintained without disruption.

Convenient kit includes meter, calibration solutions, sample vials, and more—all packed into a rugged carrying case.

### Built for compliance

**Table 1:** Turbidity White Light Model Comparison

	Model T80WL	Model T100WL
Level	Entry level, economical	Compliance model
Data logging	✗	✓
Real time clock	✗	✓
GLP compliant	✗	✓
Large color screen	✓	✓
Battery operated	✓	✓
IP67-rated housing	✓	✓

- White light configuration (Table 1) for compliance with US EPA method 180.1
- Infrared configuration for compliance with European standard ISO 7027 (DIN EN 27027) method (source water analysis)



**Table 2:** Environmental Express vs Competitor

	Model T100WL	Competitor
Calibration solutions (included)	20.0, 100, 400, 800 NTU	20.0, 100, 800 NTU
Display	Large, color TFT LCD screen	Dot-matrix LCD screen
Data output	Built-in USB port for data transfer and charging	USB+Power module sold separately +\$530
Battery performance	Rechargeable, 25 hours continuous use	Not chargeable, 4 hours continuous use with backlight
Reading modes	Normal; Continuous/averaging (selectable 5/10/15/20); saves average, maximum, and minimum readings	Normal; Averaged readings (12 fixed); Rapidly settling turbidity; only saves average reading
Warranty	2 years	1 year
Price point	<b>\$1,554</b>	<b>\$2,373</b> with USB+Power module

- Better display • Better power performance • More features
- Better price point; 35% lower for kit format



# T80 Series Turbidity Meter Kits

## Comparison of Measurement Capabilities by Model

Specification	Model T80WL portable white light turbidity kit	Model T80IR portable infrared turbidity kit
Method compliance	US EPA 180.1	ISO 7027 (DIN EN 27027)
Light source	White light (tungsten lamp)	Infrared LED
Range	0 to 1000 NTU, autoranging	
Resolution	0.01, 0.1, 1 NTU	
Accuracy	± 2 % of reading + stray light	
Calibration	5 points	
Sample volume	18 mL	
Response time	<10 seconds per reading	
Display	TFT color screen, with backlight	
Data logging	No	
Connections	USB	None
Operating temperature	0 to 50 °C (32 to 122 °F)	
IP rating	IP67	
Battery	Rechargeable lithium-ion with AC power adapter and USB cable	Four AA alkaline
Battery life	25 hours, continuous use	20 hours
Dimensions, meter	9.0 x 20.3 x 8.0 cm (3.54 x 8.00 x 3.15 in.)	
Dimensions, case	31.0 x 29.5 x 11.0 cm (12.20 x 11.61 x 4.33 in.)	
Meter warranty	2 years	
Contents	Four calibration solutions (20.0, 100, 400, 800 NTU), one empty vial for zeroing solution, six sample vials, silicone oil, microfiber wiping cloth, battery, and hard carrying case	
Item number	<b>35635-21</b>	<b>35635-22</b>

## Related Products

Description	Item number
Calibration solutions for white light meters; 60 mL each of 20, 100, 400, and 800 NTU standards	<b>35635-20</b>
Calibration solutions for infrared meters; 60 mL each of 20, 100, 400, and 800 NTU standards	<b>35635-23</b>
Calibration zeroing solution for all meters; 100 mL of 0 NTU	<b>35635-24</b>
Glass sample vials, 25 x 60 mm. Pack of 6	<b>35635-25</b>

The economical solution for everyday dependability



Scan the QR code to find out more about our T80 series turbidity kits.



# T100 Series Turbidity Meter Kits

## Comparison of Measurement Capabilities by Model

Specification	Model T100WL portable white light turbidity kit	Model T100IR portable infrared turbidity kit
Method compliance	US EPA 180.1	ISO 7027 (DIN EN 27027)
Light source	White light (tungsten lamp)	Infrared LED
Range	0 to 1000 NTU, autoranging	
Resolution	0.01, 0.1, 1	
Accuracy	≤ ±2 % of reading + stray light	
Calibration	5 points	
Sample volume	18 mL	
Response time	<10 seconds per reading	
Display	TFT color screen, with backlight	
Data logging	Yes, 200 data sets max	Yes, 500 data sets max
Connections	USB	
Operating temperature	0 to 50 °C (32 to 122 °F)	
IP rating	IP67	
Battery	Rechargeable lithium-ion with AC power adapter	Four AA alkaline
Battery life	25 hours, continuous use	20 hours
Dimensions, meter	9.0 x 20.3 x 8.0 cm (3.54 x 8.00 x 3.15 in.)	
Dimensions, case	31.0 x 29.5 x 11.0 cm (12.20 x 11.61 x 4.33 in.)	
Meter warranty	2 years	
Contents	Four calibration solutions (20.0, 100, 400, 800 NTU), one empty vial for zeroing solution, six sample vials, silicone oil, microfiber wiping cloth, PCLink software on USB flash drive, USB cable, battery, and hard carrying case	
Item number	<b>35635-10</b>	<b>35635-15</b>



35635-10

35635-15



Scan the QR code to find out more about our T100 series turbidity kits.

## Related Products

Description	Item number
Calibration solutions for white light meters; 60 mL each of 20, 100, 400, and 800 NTU standards	<b>35635-20</b>
Calibration solutions for infrared meters; 60 mL each of 20, 100, 400, and 800 NTU standards	<b>35635-23</b>
Calibration zeroing solution for all meters; 100 mL of 0 NTU	<b>35635-24</b>
Glass sample vials, 25 x 60 mm. Pack of 6	<b>35635-25</b>

Visit our website for additional information and valuable water quality measurement tips to help you obtain the best results in your work.

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