

WET Labs offers the *Environmental Characterization Optics (ECO)* series of meters that incorporate a common set of options with a single basic design to make them ideal for a wide variety of deployments. The NTU provides:

- Unparalleled sensitivity of the *ECO* in an optical scattering measurement at 660 nm for determining turbidity.
- Turbidity measurement data that is not affected by CDOM concentration, unlike instruments that attempt to measure turbidity by using blue wavelengths.
- The option of analog output for easy integration into CTD packages.
- Excellent precision, reliability and overall performance at a fraction of the cost and size of similar instruments.



Mechanical

<i>Diameter</i>	6.3 cm
<i>Length</i>	12.7 cm (standard) 25.6 cm (deep)
<i>Weight in air</i>	0.4 kg (standard) 1.3 kg (deep)
<i>Weight in water</i>	0.02 kg (standard) 0.75 kg (deep)
<i>Pressure housing</i>	Acetal copolymer (standard) Titanium (deep)

Optical

<i>Wavelength</i>	700 nm
<i>Sensitivity</i>	0–125: 0.02; 0–400: 0.05; 0–1000 NTU: 0.12
<i>Ranges</i>	0–125, 0–400, 0–1000 NTU

Electrical

<i>Digital output resolution</i>	14 bit
<i>RS-232 output</i>	19200 baud
<i>Analog output signal</i>	0–5 V
<i>Internal data logging</i>	optional
<i>Internal batteries</i>	optional
<i>Connector</i>	MCBH-6-MP
<i>Input</i>	7–15 VDC
<i>Current, typical</i>	60 mA
<i>Current, sleep</i>	150 µA
<i>Data memory</i>	90,000 samples
<i>Sample rate</i>	to 8 Hz
<i>Anti-fouling Bio-wiper™</i>	optional
<i>Bio-wiper™ cycle</i>	140 mA

Environmental

<i>Temperature range</i>	0–30 deg C
<i>Depth rating</i>	600 m (standard) 6000 m (deep)
<i>Pressure/temperature sensor</i>	optional

NTU(RT)— Analog and RS-232 serial output with 4,000-count range. This unit operates continuously when power is supplied.

NTU(RT)D—Provides the capabilities of the NTU(RT) with 6,000-meter depth rating.

NTU—The capabilities of the NTU(RT) with periodic sampling.

NTUB—The capabilities of the NTU with internal batteries for autonomous operation.

NTUS—The capabilities of the NTU with an integrated anti-fouling *bio-wiper™*.

NTUSB—The capabilities of the NTUS with internal batteries for autonomous operation.

Specifications subject to change without notice.