

# Enviro-T2™

## In-Line Fluorometer



### Enviro-T2 In-Line Fluorometer

Enviro-T2 is an accurate, single-channel fluorometer that easily integrates with data collection systems providing a 4 – 20 mA output proportional to the fluorescence from chlorophyll in water. When configured with a Blue Excitation LED, Enviro-T2 detects fluorescence from all algal groups; when configured with a Red Excitation LED, it has maximized sensitivity for better detection of Cyanobacteria. Enviro-T2 uses solid-state optoelectronics making it a reliable, high performance, rugged continuous sampling device. Instrument maintenance or inspection is greatly simplified with a quick one-step disconnect. Factory-calibrated and requiring minimal installation effort, simply plumb the Enviro-T2 in-line with your online monitoring systems, connect the output of your controller or data logger, and supply power to estimate algal abundance as a biological parameter for your monitoring program.



Application	Minimum Detection Limit	Dynamic Range	Linearity
Chlorophyll	0.03 µg/L	0-100 µg/L	0.99R²

### Ordering Information

INSTRUMENT	PART NUMBER
Enviro-T2 In-Line Blue Excitation Chlorophyll Fluorometer	2820-000-C
Enviro-T2 In-Line Red Excitation Chlorophyll Fluorometer	2820-000-D

ACCESSORIES	PART NUMBER
Enviro-T2 Chlorophyll Standard Solution, Blue Excitation	2820-220
Enviro-T2 Chlorophyll Standard Solution, Red Excitation	2820-221
Replacement Plumbing Tee Package	2820-510
Replacement Cable, 4 – 20 mA	021-2800
Replacement Plumbing Plug	2820-520

### Enviro-T2 Highlights

- Estimate Algal Abundance  
Algae  
Cyanobacteria
- Low Limit of Detection
- Easy Integration with Controllers
- Minimal Maintenance
- Compact Package

### Enviro-T2 Physical Specifications

Material	PVC – rigid injection-molded plastic
Weight	4.4 ounces (125 g)
Length	8.63 inches (21.9 cm)
Housing Diameter	1.3 inches (3.3 cm)
Diameter at Flange	1.72 inches (4.4 cm)

### Enviro-T2 Electrical Specifications

Power Draw	0.8 W @ 12 VDC (1.0 W maximum)
Input Voltage	8-30 VDC
Signal Output	4-20 mA
Warm up time	5 Seconds

### Mounting Tee Physical Specifications

Material	PVC – rigid injection-molded plastic
Dynamic Pressure	100 PSI
Threading	1 inch (NPT)
Length	3.3 inches (8.4 cm)



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