

Turbidity Plus™

with Integrated Wiper



Turbidity Plus™ with Integrated Wiper

Turbidity Plus™ is an accurate single-channel turbidity sensor including an integrated wiper which is triggered by the user. It is designed for integration with multiparameter systems and dataloggers from which it receives power and the wiper trigger. Turbidity Plus delivers a voltage output proportional to the turbidity of the sample which can be correlated to nephelometric turbidity unit (NTU) values by calibrating with a standard of known concentration. Deployable to 200m, Turbidity Plus is available with or without a plastic housing for simplified integration.

Turbidity Plus Highlights

- Integrated Wiper Package
- Low Power Consumption
- Excellent Value

Physical Specifications

Diameter of housing: 1.185", 3.01 cm (Delrin)
Length:
Housing only: 4.35", 11.05 cm
Housing w/ Connector: 5.78", 14.68 cm
Housing w/ Connector & Wiper: 6.10", 15.49 cm
Weight w/ Connector & Wiper: 4.9 oz; 138 g
Temperature Range:
Ambient: 0 to 50 deg C
Water Temp: -2 to 50 deg C
Depth Range: 200 meters

Electrical Specifications

Signal Output: 0 - 5 VDC
Supply Voltage Range: 5 - 9 VDC
Wiper Trigger: 3.2 VDC
Maximum Peak Current: 100 mA
Power Requirements:
@6V 120 mW signal only
@6V 160 mW while wiper rotates

Performance Specifications

Linearity: 0.99R²
MDL: 0.5 NTU

RANGE	ACCURACY
0-100 NTU	+/- 1%
100-400 NTU	+/- 3%
400-3,000 NTU	+/- 5%

*GFS Chemicals 8397 standard

Ordering Information

AVAILABLE CONFIGURATIONS

- Turbidity Plus with Integrated Wiper
- Turbidity Plus with Integrated Wiper, No Connector
- Turbidity Plus with Integrated Wiper, No Connector, Customer-supplied Wiper Blade
- Turbidity Plus with Integrated Wiper, No Housing
- Turbidity Plus with Integrated Wiper, No Housing, Customer-supplied Wiper Blade

ACCESSORIES

- 0.6 Meter Pigtail Cable with Locking Sleeve
- 5 Meter Pigtail Cable with Locking Sleeve
- 10 Meter Pigtail Cable with Locking Sleeve

Contact Us

Toll-Free : 1.877.316.8049 Email : sales@turnerdesigns.com Address:
Phone : 408.749.0994 Web : www.turnerdesigns.com 1995 N. 1st Street
Fax : 408.749.0998 San Jose, CA 95112