



TURBIGGO

TURBIDITY AND T.T.S.

- Wide range of measurement
- High precision and repeatability
- Compact size

*datalink
instruments*



Up to 4 parameters can be simultaneously monitored.

The Physéo built-in calculator insures the supervision of all measurement functions leading to a very simple use.

Measurement results can be reported in the unit that fits the best with the process exploitation: ppm DO2 or in % sat DO2 for the dissolved oxygen for example.

Its stainless steel 316L enclosure insures maximal protection of the instrument whatever the conditions of environment are, while insuring a perfect recyclability at the end of life.

TURBIGGO™ is an on-line turbidimeter that conforms with the NF-EN-ISO 7027 standard. TURBIGGO™ operates through a path through flow cell.

The analyser uses an Infrared light source that makes it not sensitive to water color. Its range from 0.01 to 1000 FNU makes it well suited for low turbidity applications as well as rough industrial effluents.

The measurement result is displayed in FNU as well as in S.M. unit.

Its stainless steel 316L enclosure ensures maximal protection of the instrument whatever the conditions of environment are, while insuring a perfect recyclability at the end of life.

MAIN APPLICATIONS

- Drinking water treatment plants
- Waste water treatment plants
- Industrial water monitoring
- River water monitoring
- Rain water monitoring

BUILT-IN DATALOGGER

Measurement results are dated and stored in a static memory with a capacity of 10,000 measurements. They can be transferred later via the RS232 link on a PC without specific software using Hyperterminal® of Windows®.

RESULTS TRANSFER

The RS232 link allows results transfer for a short distance. The transfer of the results for long distance is possible with the RS485 link. 2 analog current outputs are available without intermediate treatment.

Alarm and Fault relays are also available.

POWER SUPPLY

TURBIGGO™ uses 100 – 240 VAC 50/60Hz power feeding.

DISPLAY

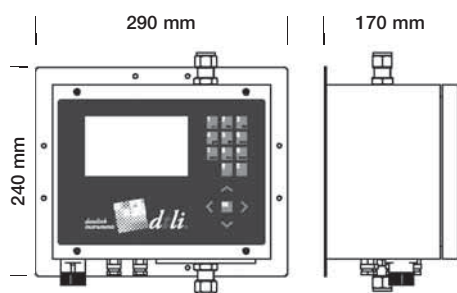
Measurements can be displayed on the screen showing all data stored in a form of list of values or graph.

PARAMETER SETTING

Probe operating parameters adjustment can be made either directly on the transmitter by using the keyboard or by the dedicated communication connection (RS232 or RS485).

OPTIONS

- Automatic cleaning system for the flow cell.
- Sampling peristaltic pump.
- Bubble removing system.
- Dissolved oxygen measurement (DO2) using an optical submerged probe.



| | | | |
|---|--------|---|--------|
| A | 60 mm | E | 250 mm |
| B | 60 mm | F | 200 mm |
| C | 240 mm | G | 143 mm |
| D | 290 mm | | |

| | | |
|----------------------------------|-------------------------|--|
| Ranges | Turbidity | From 0,01 to 1000 FNU |
| | Dissolved oxygen | 0 – 25 ppm ou 0 – 200 % SAT |
| Accuracy | Turbidity | De 0.01 à 5 FNU: 1% de la mesure > 0.005 FNU De 5 à 50 FNU: 1% de la mesure > 0.2 FNU De 50 à 1000 FNU: 1% de la mesure > 1FNU |
| | Dissolved oxygen | ± 0,02 ppm |
| Analog current outputs | | 2 insulated and settable 0-20mA or 0-4mA outputs |
| Outputs Relays | | 1 power supply default relay 2 measurement relays (multiple configuration) 1 measurement fault relay |
| Communication | | Port RS232 ou RS485 pour report des résultats de mesure et paramétrage |
| Power supply | | 110 – 120 V / 220 – 240 / 50 - 60Hz / 30 VA |
| Environmental temperature | | +1 à + 60 °C |
| Protection | | IP65 |
| Weight | | 6 kg without options |

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