



PHYSEO

**MULTIPARAMETER ANALYSIS :
PH, CONDUCTIVITY, DISSOLVED
OXYGEN, TEMPERATURE...**

- Wide range of measurement
- High precision and repeatability
- Fast response time
- Compact size

*datalink
instruments*

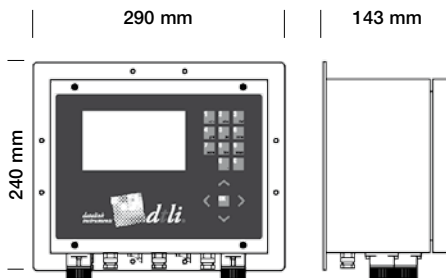


PHYSEO is a compact transmitter allowing measurements of physico-chemical parameters in water: pH, conductivity, dissolved oxygen, temperature, water level,.... Up to 4 parameters can be simultaneously monitored.

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.



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

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. 4 analog current or voltage outputs are available without intermediate treatment. Alarm and Fault relays are also available.

POWER SUPPLY

Physéo 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).

CLEANING FUNCTION

For each probe, an automatic cleaning cycle can be defined. This cycle consists in a controlled activation of a relay which managed an external cleaning system.

Ranges	pH	0 – 14
	Conductivity	0 – 2000 µS/cm (other ranges on request)
	Dissolved oxygen	0 – 25 ppm ou 0 – 200 % SAT
	Temperature	-10 – +120 °C
Accuracy	pH	± 0,02 pH
	Conductivité	± 0,2 µS/cm
	Dissolved oxygen	± 0,02 ppm
	Temperature	± 0,02 °C
Analog current outputs	Until 4 configurable and isolated measurement outputs : 0-10V, 12 bits resolution, 1000 Ω impedance minimum	
Analog voltage outputs	Until 4 configurable and isolated measurement outputs: 0-20mA (or 4-20 mA) 12 bits resolution, 15V max output voltage, 500 Ω impedance maximum	
Outputs Relays	Double contact relay (48VAC or 48VDC max, 3AAC or 3ADC max, 150VA max): <ul style="list-style-type: none"> ■ 1 power supply default relay ■ 4 measurement relays (multiple configuration) ■ 4 cleaning relays (configurable in period and duration) 	
Communication	Port RS232 or RS485 for measurement results transfer and parameter setting	
Power supply	110 – 120 V / 220 – 240 / 50 - 60Hz / 30 VA	
Environmental temperature	- 10 - + 60 °C	
Protection	IP55	
Weight	5 kg	

