

PCA200 is an on-line colorimetric analyser that can be dedicated to any kind of analysis of water that uses colorimetry.

It allows the detection of very low concentrations of chemicals in water without filtration, thanks to its original spectrometer.

It is equipped with an automatic cleaning system which reduces the maintenance operation while keeping the long term reliability.

MAIN APPLICATIONS

- Industrial process control
- Urban and industrial waste waters
- Drinking water
- Sewage works

NO WATER FILTRATION

Thanks to large bore tubing and hydraulic circuitry easy to maintain, the analyser is well suited for dirty or high TSS water operation without clogging.

AUTOMATIC CLEANING FACILITY

The hydraulic circuitry is kept clean over several weeks without any user operation, thanks to the automatic cleaning system.

LED LIGHT SOURCE

The LED light source ensures a very low drift as well as a long life time without replacement (about 10 years).

SAMPLING PUMP

An optional dilution peristaltic sampling pump is proposed for measurement range adaptation in non pressured waters. The pump operation is controlled by the analyser itself.

WATER PRESSURE REGULATOR

For pressured water, a water pressure regulator is proposed as an option in order to allow pressure free peristaltic pump feeding.

BUILT-IN DATALOGGER

All measurement results are stored in the memory of the analyser. The storing capacity is about 10000 values that can be downloaded on a PC through an RS232 or RS485 output.

RELAYS AND ANALOG OUTPUTS

Up to 4 analog outputs (4 - 20 mA) are available on PCA200.

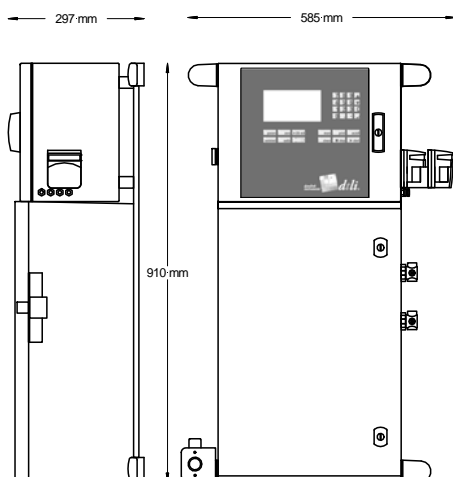
Alarm and default relays are also available.

ELECTRICAL POWER

110 – 240 VAC 50/60Hz or 12 VDC.

DISPLAY

A LCD screen displays the measurement result as well as a graph showing the last measurements stored over the previous hour, the current day, the week, the month or the year.



Measurement range:

On request, depending on the chemicals to be detected

Detection limit:

Depends on range and detected chemicals

Sample input/output:

PE fittings or nuts.

Pressure:

Pressure free

Sample temperature:

> 0.5°C – 40°C

Analog outputs:

4-20 mA isolated, 12 bit resolution

Relays outputs :

Threshold alarm relays and default relay

Communication:

RS232 or RS485 for stored values downloading

Power supply:

110 – 240 VAC / 50 - 60Hz / 30 VA or 12VDC

Housing:

IP55
Operation temperature > 0°C – 50°C

Weight:

20 Kg

Option :

2 to 4 streams multiplexing system

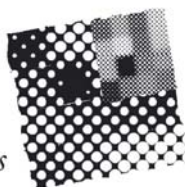


PCA200

**INDUSTRIAL PROCESS ANALYSER
NO₂, H₂O₂, Ni, B... ON-LINE**

- Colorimetric method
- Large measurement range
- Compact size

*datalink
instruments*



dtli.

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