

Controller &  
Monitor



**PX SERIES**

# MULTI-PARAMETER CONTROLLER PX100



## CONCEPT

Build around a powerful 32-bit microprocessor, the PCX controller provides all the facilities required on a multi-channel instrument:

- Graphic display of the measurements
- Menu-driven calibration functions
- Data logging over several weeks
- RS232 / RS485 communication
- Web server module with Ethernet interface for connection to any remote browser

With multiple configurations, applications covers mainly:

- Drinking water treatment plants
- Food industry
- River monitoring

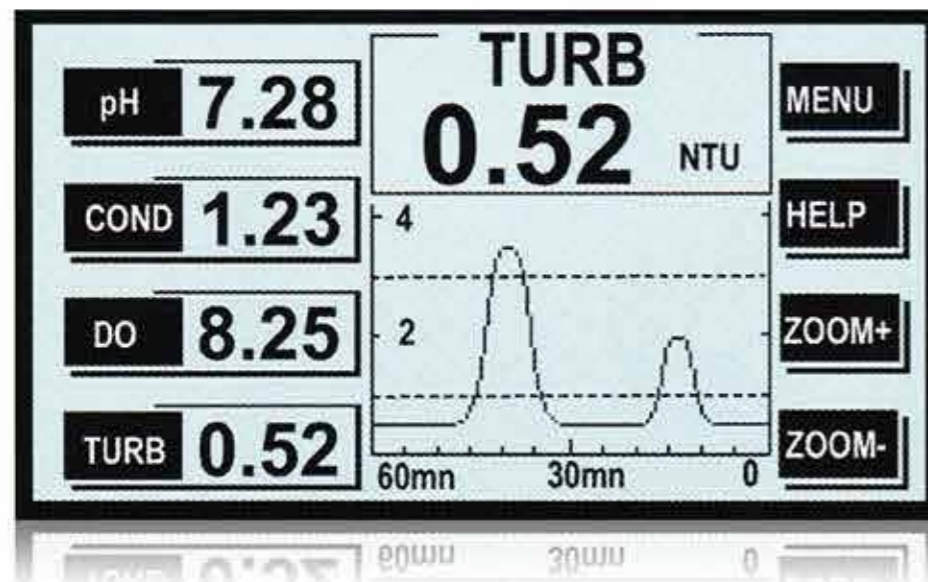
## MODULAR CONFIGURATION

Based on a modular concept for inputs and outputs, all kind of configurations can be selected to fit with the application.

The 4 input sockets can receive any input module: Turbidity-conductivity, pH-DO and dual 4-20 mA inputs for conditioned probes (chlorine, ozone, chlorine dioxide) or level probes.

Any change in the configuration is automatically detected on power-up and a configuration screen helps the operator to set-up the new channel.

THE FIGURE BELOW SHOWS A TYPICAL SIX PARAMETERS CONFIGURATION AS EXAMPLE.



## RANGES

	pH	DO	Turbidity	Conductivity	Chlorine	Temperature
Range	0-14	0-20mg/l	0-100NTU	0-2000uS	0-2mg/l	0-50°C
Resolution	0.01	0.01 mg/l	0.01NTU	0.01uS	0.01 mg/l	0.1°C
Accuracy	+/-0.01	+/-5%	+/-2%	+/-1%	+/-5%	+/-0.2°C

*\*Above informations subjected to change without prior notice.*

## SPECIFICATIONS:

ATC Input	RTD P+1000 Ohm
Analog Output	4-20mA opto-isolated, 12-bit resolution, 500 Ohm max, active,
Alarm Output	4 relay contacts NO, programmable, with hysteresis band and delay
Communication	RS232 - No specific software required, data compatible with Excel® RS485 - Modbus protocol (Optional)
Display	240x128 pixels LCD with backlight
Power Supply	110-130V or 220-240V / 30VA / 50-60Hz
Operating Limits	0 to 50°C
CE Standards	Electromagnetic compatibility EN 50081-2, EN50082-2, EN55011
Enclosure	IP54, coated steel for indoor use only
Dimensions	300x200x150mm WxHxD (controller only)
Weight	5kg (controller only_

*\*Specifications subjected to change without prior notice.*

## ORDERING REFERENCE : PCX/TURB/PH/COND/TEMP/CL2/DO

- TURB : turbidity probe (with MTURBC module)
- PH : pH (with MPHDO module)
- CONDO : conductivity probe (with MTURBC module)
- TEMP : temperature from other probe (with MTURBC or MPHDO module)