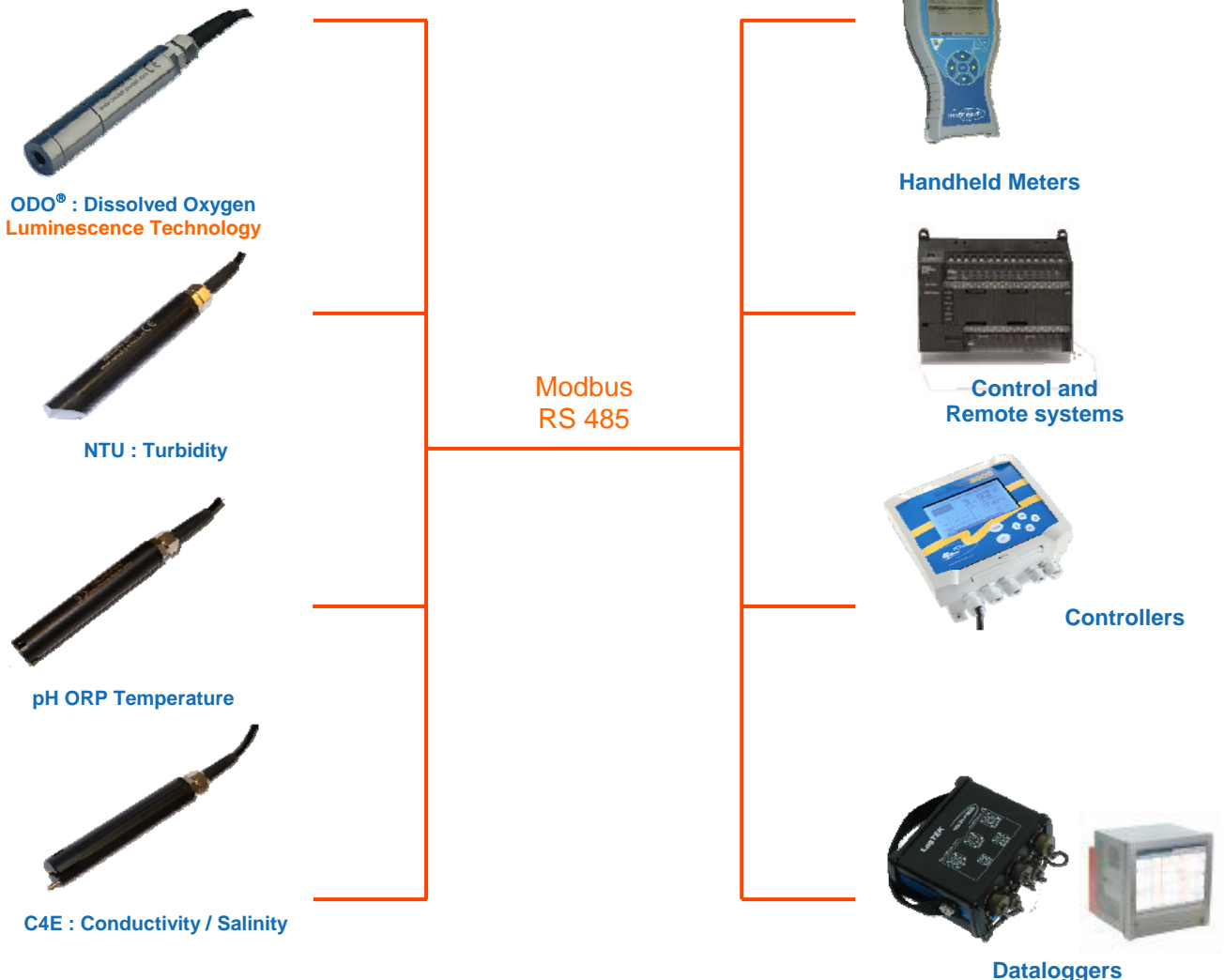


Digital Probes

Physico-chemical sensors

Smart sensors for water quality

- Modbus RS 485 communication
- Compatibility with all transmitters, dataloggers, remote systems and automates
- Data processing in the probe, 4 Ko memory for calibration and history data
- Transient voltage protection inside



Field of applications :

- Wastewater
- surface water
- FishFarming, Aquaculture
- Drinking water

Ready to be connected

Ready to be connected to all dataloggers, remote systems, automates, controllers, samplers, flowmeters..) With RS 485 input, PONSEL digital probes are a economical solution to measure pH, ORP, Conductivity, Turbidity and DO (ODO optical technology).

Digital Sensors

PONSEL digital sensors send directly the measurement to the device thanks to a data processing inside and its 4 ko memory (for calibration, history...)

Thanks to the sensor ID, 248 sensors are able to be connected to only one RS 485 input.

Robust

Thanks to a 50 years experience in sensor manufacturing, PONSEL provide you a very high quality of instruments for drinking water, wastewater and all field applications

	Dimensions	Parameter	Range	Accuracy	Measurement Principle
pH/ORP/°C	D : 27 mm L : 159 mm W : 350 g (with cable)	Temperature	0,00 to + 50,00 °C	± 0,1°C	CTN Inox
		pH	0,00 to 14,00 pH	± 0,1	plasticized PONSEL "PLASTOGELE"® electrolyte Ag/AgCl reference Platinum electrode Ag/AgCl reference
		ORP	- 1000,0 to + 1000,0 mV	± 2 mV	Platinum electrode Ag/AgCl reference
ODO	D : 25 mm L : 146 mm W : 450 g (With cable)	Dissolved Oxygen	0,00 to 20,00 mg/L 0,0 to 200,0 % SAT	± 0,1 mg/L ± 1 %	PONSEL ODO® optical luminescence technology ASTM D888 – 05Compliance
C4E	D : 27 mm L : 177 mm W : 350 g (with cable)	Conductivity	0,0t to 200,0 µS/cm 0 to 2 000 µS/cm 0,00 to 20,00 mS/cm 0,0 to 200,0 mS/cm	± 1 % full range	C4E Technology 4 electrodes (2 platinum and 2 graphite)
		Salinity	0,00-150,00 ppt	± 0,5 % full range	C4E Technology 4 electrodes (2 platinum and 2 graphite)
NTU	D : 27 mm L : 170 mm W : 300 g (with cable)	Turbidity	0,00 to 50,0 NTU 0,0 to 200,0 NTU 0 to 1000 NTU 0 to 4000 NTU	± 1 % full range	IR 90° technology ISO 7027 compliance

General Features of the sensors

Interface	Modbus RS485 (SDI12 option)
Measurement frequency	< 1 s max.
Power supply	5-12 Volts
Pressure	5 bars max
Protection level	IP 68