

# DIGITAL SENSOR

## C4E : CONDUCTIVITY/SALINITY

Digital Technology for optimized measures

- 4 electrodes (2 graphic, 2 platinum)
- Range 0 to 200 mS/cm
- Digital sensor / **Modbus** RS-485
- Robust and Watertight

### Applications :

- Urban wastewater treatment
- Industrial effluent treatment
- Surface water monitoring
- Sea water
- Drinking water

### Digital Technology :

The "smart" Digital C4E sensor stores calibration and history data within the sensor. This allows you a "plug and play" system without re-calibration.

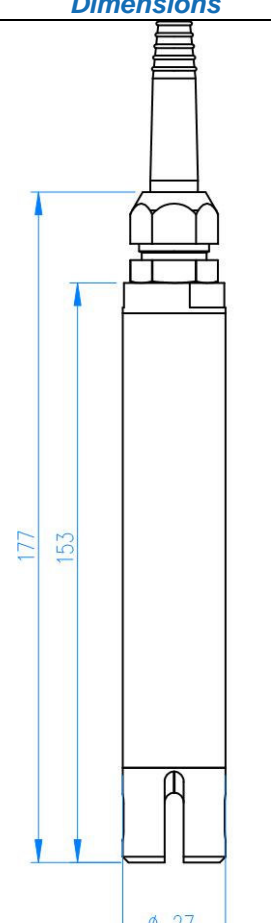
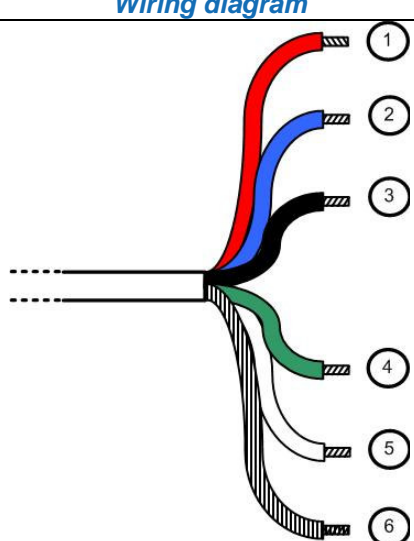
Thanks to the Universal Modbus RS485 protocol, the PONSEL Digital C4E can be connected to all devices commonly used (Datalogger, Controller, Automat, Remote System...).



## C4E Specifications

Mesures	
Measure principle	Conductivity sensor with 4 electrodes (2 graphic, 2 platinum).
Measure ranges	0-200,0 $\mu$ S/cm 0 -2000 $\mu$ S/cm 0,00 -20,00 mS/cm 0,0 -200,0 mS/cm
Resolution	0,01 to 1 according the range
Accuracy	+/- 1 % of the full range
Response time	< 5 s
Water move	0°C to 50°C
Temperature compensation	CTN
Stocking temperature	- 10°C to + 60°C
Signal interface	Modbus RS-485 ( option SDI-12)
Maximum refreshing time	Max < 1 s
Sensor power-supply	5 à 12 volts

Capteur	
Dimensions	Diameter : 27 mm ; Lenght : 177 mm
Weight	350g (sensor + 3 m cable)
Material	PVC, inox
Maximum pressure	5 bars
Connection	Polyurethan
Protection	IP68

Dimensions	Wiring diagram												
	 <table border="1"> <tbody> <tr> <td>1</td> <td>Power supply V+</td> </tr> <tr> <td>2</td> <td>SDI-12</td> </tr> <tr> <td>3</td> <td>Power supply V-</td> </tr> <tr> <td>4</td> <td>B " RS-485 "</td> </tr> <tr> <td>5</td> <td>A " RS-485 "</td> </tr> <tr> <td>6</td> <td>Cable shield</td> </tr> </tbody> </table>	1	Power supply V+	2	SDI-12	3	Power supply V-	4	B " RS-485 "	5	A " RS-485 "	6	Cable shield
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