

## Digital portable conductivity/salinity meter

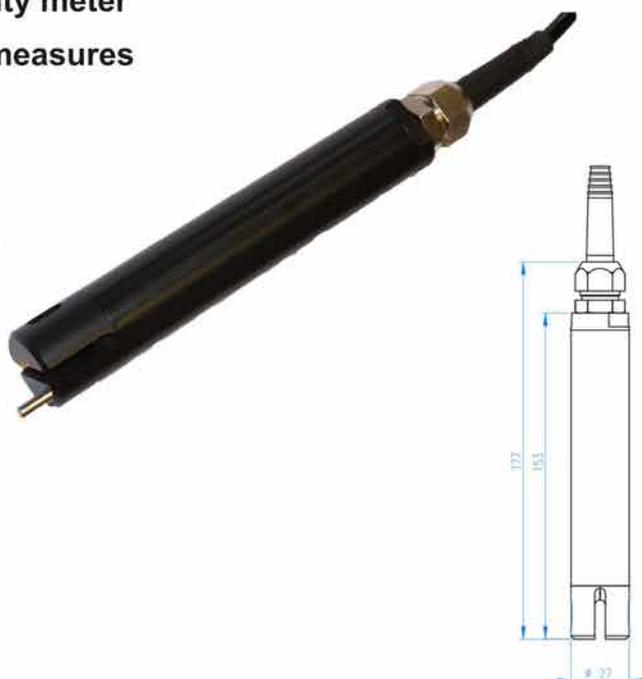
### Digital Technology for optimized measures

Article-No. 486 3712

- 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



#### Mounting at 4 electrodes :

The electrode works with a technology in 4 electrodes: an alternating current of constant-voltage is established between a primary's pair of electrodes in graphite. The secondary's electrodes in platinum allow of regulate the voltage imposed to primary's electrodes to reflect of the fouling. The voltage measured between the primary's electrodes is in function of the resistance of place and so, of the conductivity.

#### Digital Technology :

The "smart" Digital 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 Digital sensor can be connected to all devices commonly used (Datalogger, Controller, Automat, Remote System...).

#### Technische Daten

<b>Measure principle</b>	Conductivity sensor with 4 electrodes (2 graphic,2 platinum).
<b>Measure ranges conductivity</b>	0 -200.0 $\mu$ S/cm 0 -2000 $\mu$ S/cm 0.00 -20.00 mS/cm 0.0 -200.0 mS/cm
<b>Resolution</b>	0.01 to 1 according the range
<b>Accuracy</b>	$\pm 1$ % of the full range
<b>Measure range salinity</b>	5-60 g/Kg
<b>Measure range TDS -KCl</b>	0-133 000 ppm
<b>Response time</b>	< 5 s
<b>Working temperature</b>	0°C - 50°C
<b>Temperature compensation</b>	CTN
<b>Stocking temperature</b>	- 10°C to + 60°C
<b>Signal interface</b>	Modbus RS-485 ( option SDI-12)
<b>Maximum refreshing time</b>	Max < 1 s
<b>Sensor power-supply</b>	5 - 12 volts