

## CONDUCTIVITY CELLS

Our range of conductivity cells, has been properly designed for application in industrial environments together with our measure instruments.

The available models have a conductivity measure range from 0.005  $\mu\text{S}$  to 1.000.000  $\mu\text{S}$ , there are versions without temperature sensors; there are also particular versions with electrodes in graphite, platinum or titanium, cell bodies in teflon with IP67 connectors.

The measure of conductivity takes place immersing two metallic electrodes in the solution you have to measure; the current between the

electrodes allows to measure the electrical resistance of the liquid and its conductivity.

The measure depends on the temperature. In salt solutions there are variations of measure of 2% /  $^{\circ}\text{C}$ ; this variation can reach also 7% /  $^{\circ}\text{C}$ ; consequently the use of conductivity cells without temperature sensors is effective only if the solution under examination keeps its temperature between 15  $^{\circ}\text{C}$  and 25  $^{\circ}\text{C}$ , making an error of 10%.

IMP. All the models are guaranteed for a maximum working pressure of 6 bar.

