

HIDRO COND HMCCS-01

Two-Electrode conductivity sensor for industrial applications

Brief description

The HMCCS-01 conductivity sensor can be used in the following fields: pure and ultra pure water treatment, pharmaceutical industry, chemical industry, food technology, chip manufacture, ion exchanger plants and reverse osmosis plants. It is especially suitable for conductivity measurement in thermal power plant and water treatment industry.

Principle of operation

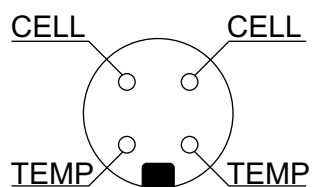
Conductivity cells are used in conjunction with the conductivity transmitters for determining the electrolytic conductivity of liquids. The measuring cell consists of 2 electrodes. An AC voltage is applied on the cells by the transmitter while the liquid is flowing through between the two cells and the transmitter measures the conductivity. The accuracy of the measurement is strongly influenced by the temperature variation and right cable usage. The cable that is used for connecting the sensor to the transmitter. The cable has to be shielded and most importantly one of the cell wires have to be shielded individually.

Technical data

Cell constant:	K=0.1;
Typical measuring ranges:	0-200 $\mu\text{S}/\text{cm}$
Temperature sensor:	Pt100
Process connection:	NPT 3/4
Cable connection:	M12 Male
Body material:	Stainless steel 316L and titanium alloy
Operating temperature:	-20 to +100 °C
Maximum pressure:	4 bar



CONNECTOR



DIMENSIONS

