

CONDUCTIVITYMETER

MCS is a control instrument particularly useful for industrial applications. Reduced dimensions and simplicity of use make it very interesting for utilization in small resins treatment system or osmosis.

Available versions MCS, MCS/L, MCS/S and MCS/HC.

MCS/L and MCS versions have two working scales that can be selected by the user. An important characteristic of these two versions is the AUTORANGE function that allow to visualize up to 25 times the conductivity of the set end of scale value.

MCS/S and MCS/HC has one working scale.

The control instrument has a set point supplied by two relays, one instantaneous measure and one delayed (delay time can be selected). Delayed relay can be used as an alarm indicator; the intervention of the relay can be defused by pressing the key for the set reading.

The instrument has a 0/4...20mA output, and measure repetition.



Technical data:

Dimensions / Weight	48 x 96 x 100 mm - 439 gr.
Protection degree	IP20
Panel cut-out	45 x 93 mm - 0...+ 1.5
Connections	On the back, with extractable terminal board
Display	LCD 12 mm
Power Supply	115/230V 50-60 Hz 4 W (24 Vac on request)
Relay	3A 250 Vac
Output in mA	0/4...20 mA max. Load 500 ohm. Repetition of the measure 0..Full Scale
Cell constant	C: 0,2 cm. ⁻¹ MCS/L , MCS C: 1 cm. ⁻¹ MCS/S, MCS/HC
Measure Resolution	0,5% of the Full scale
Calibration	Gain ±30% Full scale
Temperature compensation	None
Regulation of the Set	ON / OFF settable NO / NC
Alarm	ON / OFF settable NO / NC Delayable; The set key enables the silence alarm

N.B. MCS series doesn't allow to make conductivity temperature compensation. It is suggested the use on installation with constant temperature.

It is produced in 4 versions:

<i>Modello</i>	<i>Characteristics</i>
MCS	2 autorange scales 0...20 / 0...200 µS
MCS/L	2 autorange scales 0...2 / 0...20 µS
MCS/S	1 scale 0...2000 µS
MCS/HC	1 scale 0...20.000 µS for C=1 Cell in platinum or graphite*

* The 20.000 µS scale works only if the cell measure has electrodes in platinum or in graphite