



# CONDUCTIVITY electrodes

ECDHL \* ECDHLC \* ECDI \* ECDIC \* ECDC \* ECDCC \* ECDHTP

**E**MEC conductivity electrodes are the ideal complements to Emec controllers for an accurate and reliable control of your processes. Conductivity easy-maintenance electrodes provides accurate reading value and fast response, performances required for the most accurate measurements. The section below shows the electrode's differences so that you can select the model best fit for your requirements.



## ECDHL

Conductivity probe with platinum electrodes.

## ECDHLC

Conductivity probe, temperature compensated, with platinum electrodes.



## ECDI

Conductivity probe with stainless steel electrodes.

## ECDIC

Conductivity probe, temperature compensated, with stainless steel electrodes.

## ECDHTP

Temperature compensated conductivity probe for high pressures and high temperatures with stainless steel electrodes.

## ECDCC

Conductivity probe, temperature compensated, with graphite electrodes.

## ECDC

Conductivity probe with graphite electrodes.

## TECHNICAL DATA OF ALL MODELS

Functions	ECDHL/01	ECDHL/1	ECDHL/10	ECDHLC/01	ECDHLC/1	ECDHLC/10
<b>Measurement Range</b>	0÷200 $\mu$ S	0,2÷20 mS	20÷200 mS	0÷200 $\mu$ S	0,2÷20 mS	20÷200 mS
<b>Cell Constant</b>	0,1	1	10	0,1	1	10
<b>Max Pressure/Temperature</b>	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C
<b>Body</b>	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
<b>Electrodes</b>	Platinum	Platinum	Platinum	Platinum	Platinum	Platinum
<b>Diameter</b>	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
<b>Probe Length</b>	170 mm	170 mm	170 mm	170 mm	170 mm	170 mm
<b>Electrical Connection</b>	3 wires	3 wires	3 wires	5 wires	5 wires	5 wires
<b>Cable Length</b>	9 m	9 m	9 m	9 m	9 m	9 m
<b>Temperature Compensator</b>	NO	NO	NO	YES	YES	YES

Functions	ECDI/1	ECDIM/1	ECDI/02	ECDIM/02	ECDIC/1	ECDICM/1	ECDIC/02	ECDICM/02	ECDC	ECDC	ECDHTP/1	ECDHTP/01
<b>Measurement Range</b>	0÷5 mS	0÷5 mS	0÷200 $\mu$ S	0÷200 $\mu$ S	0÷5 mS	0÷5 mS	0÷200 $\mu$ S	0÷200 $\mu$ S	0÷20 mS	0÷20 mS	0÷2 mS	0÷2 mS
<b>Cell Constant</b>	1	1	0,2	0,2	1	1	0,2	0,2	0,8	0,8	1	0,1
<b>Max Pressure/Temperature</b>	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	7bar / 60 °C 0bar / 90 °C	15bar / 200 °C	15bar / 200 °C
<b>Body</b>	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	SS	SS
<b>Electrodes</b>	SS	SS	SS	SS	SS	SS	SS	SS	Graphite	Graphite	SS	SS
<b>Diameter</b>	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	3/4"	3/4"	3/4"
<b>Probe Length</b>	48 mm	48 mm	64 mm	64 mm	48 mm	48 mm	64 mm	64 mm	69 mm	69 mm	74 mm	74 mm
<b>Electrical Connection</b>	3 wires	3 wires	3 wires	3 wires	5 wires	5 wires	5 wires	5 wires	3 wires	5 wires	5 wires	5 wires
<b>Connector and Cable Length*</b>	4 Poles connector and 4 m cable length											
<b>Automatic Temperature Compensation</b>	NO	NO	NO	NO	YES	YES	YES	YES	NO	YES	YES	YES

\* Cable can be supplied, on demand, of any length up to 10 m.