



CONDUCTIVITY electrodes

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

EMEC 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.

For Additional Information Contact:

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TECHNICAL DATA OF ALL MODELS

Functions	ECDHL/01	ECDHL/1	ECDHL/10	ECDHLC/01	ECDHLC/1	ECDHLC/10
Measurement Range	0÷200 μ S	0,2÷20 mS	20÷200 mS	0÷200 μ S	0,2÷20 mS	20÷200 mS
Cell Constant	0,1	1	10	0,1	1	10
Max Pressure/Temperature	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C	7bar / 70 °C
Body	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Electrodes	Platinum	Platinum	Platinum	Platinum	Platinum	Platinum
Diameter	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Probe Length	170 mm	170 mm	170 mm	170 mm	170 mm	170 mm
Electrical Connection	3 wires	3 wires	3 wires	5 wires	5 wires	5 wires
Cable Length	9 m	9 m	9 m	9 m	9 m	9 m
Temperature Compensator	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
Measurement Range	0÷5 mS	0÷5 mS	0÷200 μ S	0÷200 μ S	0÷5 mS	0÷5 mS	0÷200 μ S	0÷200 μ S	0÷20 mS	0÷20 mS	0÷2 mS	0÷2 mS
Cell Constant	1	1	0,2	0,2	1	1	0,2	0,2	0,8	0,8	1	0,1
Max Pressure/Temperature	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
Body	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	PVCC	SS	SS
Electrodes	SS	SS	SS	SS	SS	SS	SS	SS	Graphite	Graphite	SS	SS
Diameter	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	3/4"	3/4"	3/4"
Probe Length	48 mm	48 mm	64 mm	64 mm	48 mm	48 mm	64 mm	64 mm	69 mm	69 mm	74 mm	74 mm
Electrical Connection	3 wires	3 wires	3 wires	3 wires	5 wires	5 wires	5 wires	5 wires	3 wires	5 wires	5 wires	5 wires
Connector and Cable Length*	4 Poles connector and 4 m cable length											
Automatic Temperature Compensation	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.

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