



# PH - REDOX electrodes

EPH \* ERH

**E**MEC pH and Redox (ORP Potential) electrodes are the ideal complements to Etec controllers for an accurate and reliable control of your processes. PH and Redox easy-maintenance electrodes provides accurate reading value and fast response, performances required for the most accurate measurements. All pH and Redox electrodes work with sea-water.

The section below shows the electrode's differences so that you can select the electrode that best fit in your application.



## EPH models

### EPHS - EPHM - EPHL

Combined pH electrode for the common application in swimming pools, potable water, industrial water, waste water neutralization, waste chemical process industry, food process, water detoxification, electroplating.

### EPHM/D

Double junction pH electrode for silver, sulphide applications and proteins applications.

### EPHSC

Self cleaning pH electrode for applications in not-so-clean water applications.

### EPHSN6

Combined pH electrode without cable. SN6 connector.

### EPHSN6/G

Combined pH electrode with glass body for special applications, for temperature till 100 °C / 6 bar. Without cable, SN6 connector.

## ERH models

### ERHS - ERHM - ERHL

Combined Redox electrode for the common application in swimming pools, potable water, industrial water, waste water neutralization, waste chemical process industry, food process, water detoxification, electroplating.

### ERHM/D

Double junction Redox electrode for silver, sulphide applications and proteins applications.

### ERHSC

Self cleaning Redox electrode for applications in not-so-clean water applications.

### ERHSN6

Combined Redox electrode without cable. SN6 connector.

### ERHHL

High linearity response. Glass Redox electrode for low quantity of Cl<sub>2</sub>.

## TECHNICAL DATA OF ALL MODELS

Functions	EPHS	EPHM	EPHL	EPHM/D	EPHSC	EPHSN6	EPHSN6G
<b>Measurement Range</b>	0÷14	0÷14	0÷14	0÷14	0÷14	0÷14	0÷14
<b>Max Pressure/Temperature</b>	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	6bar/100°C
<b>Body</b>	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Glass
<b>Installation Diameter</b>	12 mm	12 mm	12 mm	12 mm	12 mm	PG 13,5	PG 13,5
<b>Probe Length</b>	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm
<b>Electrical Connection</b>	BNC	BNC	BNC	BNC	BNC	SN6	SN6
<b>Cable Length</b>	0.8 m	4.5 m	15 m	4.5 m	4.5 m	without cable	without cable
<b>Minimum Working Conductivity</b>	100μS	100μS	100μS	100μS	1μS	100μS	1μS

Functions	ERHS	ERHM	ERHL	ERHM/D	ERHSC	ERHSN6	ERHHL
<b>Measurement Range</b>	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000
<b>Max Pressure/Temperature</b>	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	7bar/70°C (3,5bar/80°C)	6bar/80°C
<b>Body</b>	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Glass
<b>Installation Diameter</b>	12 mm	12 mm	12 mm	12 mm	12 mm	PG 13,5	PG 13,5
<b>Probe Length</b>	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm
<b>Electrical Connection</b>	BNC	BNC	BNC	BNC	BNC	SN6	BNC
<b>Cable Length</b>	0.8 m	4.5 m	15 m	4.5 m	4.5 m	without cable	9 m