



PH - REDOX electrodes

EPH * ERH

EMEC pH and Redox (ORP Potential) electrodes are the ideal complements to Ebec 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 Cl₂.

For Additional Information Contact:

Fred C. Gilbert Company

106 Norris Road

Bakersfield, Ca. 93308 USA

Telephone (661) 399-9569

Fax (661) 393-9654



TECHNICAL DATA OF ALL MODELS

Functions	EPHS	EPHM	EPHL	EPHM/D	EPHSC	EPHSN6	EPHSN6G
Measurement Range	0÷14	0÷14	0÷14	0÷14	0÷14	0÷14	0÷14
Max Pressure/Temperature	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
Body	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Glass
Installation Diameter	12 mm	12 mm	12 mm	12 mm	12 mm	PG 13,5	PG 13,5
Probe Length	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm
Electrical Connection	BNC	BNC	BNC	BNC	BNC	SN6	SN6
Cable Length	0.8 m	4.5 m	15 m	4.5 m	4.5 m	without cable	without cable
Minimum Working Conductivity	100μS	100μS	100μS	100μS	1μS	100μS	1μS

Functions	ERHS	ERHM	ERHL	ERHM/D	ERHSC	ERHSN6	ERHHL
Measurement Range	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000	0÷1000
Max Pressure/Temperature	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
Body	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Glass
Installation Diameter	12 mm	12 mm	12 mm	12 mm	12 mm	PG 13,5	PG 13,5
Probe Length	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm	16.8 cm
Electrical Connection	BNC	BNC	BNC	BNC	BNC	SN6	BNC
Cable Length	0.8 m	4.5 m	15 m	4.5 m	4.5 m	without cable	9 m

For Additional Information Contact:
Fred C. Gilbert Company
 106 Norris Road
 Bakersfield, Ca. 93308 USA
 Telephone (661) 399-9569
 Fax (661) 393-9654