Redox | Mettler Toledo

max. depth 160 m.

Sea & Sun Technology

For shallow water applications industrial sensors are best choice. Redox ORP combined electrodes are industrial sensors using a solid reference system (stiff polymer mass containing KCl) and an aperture diaphragm which allows direct contact between reference electrolyte and sample medium. The sensors have a standard S7/S8 head and are screwed into a flange with a fitting socket. A coaxial contact makes the electrical connection in the flange. Sealing between sensor and flange is achieved by an O-ring, which is part of the sensor.

The redox sensor is supplied with a storage solution in a wetting cap. The cap must always be placed beneath the sensor and contain sufficient storage solution to store the sensor when not in use. The storage solution should be a 3 M KCl solution that prevents the reference electrode from drying out.

The sensor needs replacement after a lifespan of approximately 12 months (depending on the measuring environment).

ADVANTAGES

+ integrable into all probes
+ applicable in fresh water
+ easy exchangeable S7/S8 connection

Redox / Mettler Toledo	
Pressure resistance	160 bar
Measuring range	± 2000 mV
Accuracy	± 1 mV
Responce time:	approx. 1 s
Dimensions	12 mm Ø, 167 mm long
Sensor head	S8
Used for	CTD48, CTD48M, CTD48c, CTD48Mc, CTD75M, CTD90, CTD90M, CTD115M

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