



EMC 173 I

This Redox/ORP Combination Electrode with gel electrolyte (low maintenance) and large-sized ring-shaped fixed glass sleeve junction is particularly directed towards applications involving the monitoring and control of industrial waste water, electroplating and process chemistry even under difficult conditions and in heavily polluted mediums. The platinum disc increases mechanical stability and decreases dependence on flow.

In addition to the model with dismountable S7 plug head connection system, models with fixed cable connection are available too.

Accompanying plug head cable connections:

- K 43/2: Coaxial measuring cable, length 2 m with S7 plug head connector, with out meter plug
- K 50/2: Coaxial measuring cable, length 2 m with S7 plug head connector and DIN plug
- K 51/2: Coaxial measuring cable, length 2 m with S7 plug head connector and BNC plug

Specifications

Electrode stem	glass Ø 12 mm without refill opening
Immersion length	120 mm (immersion lengths 150 mm, 225 mm and 360 mm on request)
Metal electrode	platinum disc Ø 6 mm
Temperature range	- 5 ... 80 °C
Reference system	Ag/AgCl
Electrolyte	gel-filled (non-refillable), about 3 M KCl
Diaphragm	ring-shaped glass sleeve junction
Pressure	max. 6 bar
Electrical connection	EMC 173 I: PG 13.5 threaded coaxial plug head S7-system EMC 173 K/PG: 5 m fixed coaxial cable without connector, electrode stem equipped with hex nut PG 13.5 EMC 173 K/PI: 5 m fixed coaxial cable without connector, equipped with adapter 2 x NPT ¾ " thread (max. 65 °C)
Process connection	sensor shaft equipped with hex nut PG 13.5 or PG 13.5 threaded plug head or NPT thread for direct mounting in housings; installation vertically or laterally up to 30° from vertical