



EMC 233 I

This redox/ORP combination electrode with double-junction reference cartridge system, gel electrolyte and ceramic frits features low maintenance and rugged design for application in industrial water treatment and electroplating even in heavily polluted mediums. The double-junction reference system secures high long-term stability especially in mediums containing harmful substances influencing a reference system.

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 plug head S7 cable socket, without meter plug
- K 50/2: Coaxial measuring cable, length 2 m with plug head S7 cable socket and DIN plug
- K 51/2: Coaxial measuring cable, length 2 m with plug head S7 cable socket and BNC plug

Specifications

Electrode stem	plastic Ø 12 mm, black
Immersion length	120 mm (immersion length 150 mm on request)
Metal electrode	platinum disc Ø 6 mm
Temperature range	- 5 ... 80 °C
Reference system	Ag/AgCl
Electrolyte	gel electrolyte (non-refillable) in both electrolyte chambers, about 3 M KCl
Diaphragm	2 ceramic frits
Pressure	max. 6 bar
Electrical connection	EMC 233 I: PG 13.5 threaded coaxial plug head S7-system EMC 233 K/PI: 5 m fixed coaxial cable without connector, equipped with adapter 2 x NPT ¼" thread (max. 65 °C)
Process connection	PG 13.5 threaded plug head or NPT thread for direct mounting in housings; installation vertically or laterally up to 30° from vertical