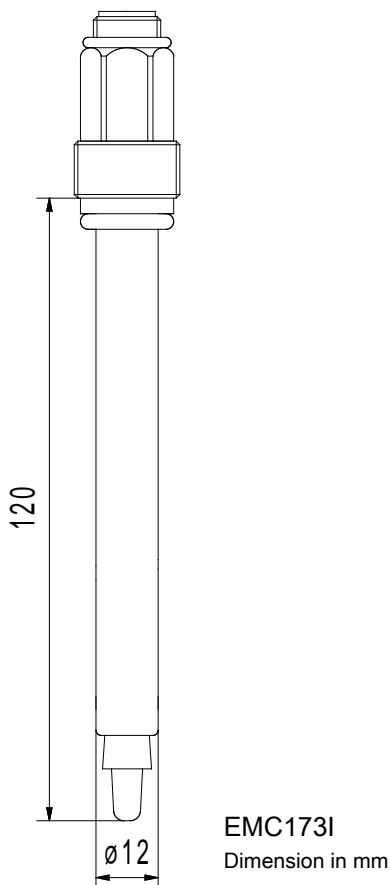


EMC173

Redox/ORP Combination Electrode



This Redox/ORP combination electrode with gel electrolyte and large-sized ring shaped fixed glass sleeve junction features application under industrial conditions in water technology, sewage treatment, electroplating and process chemistry. The platinum disc increases mechanical stability and decreases dependence on flow.

In addition to the version with plug head and separated cable connection, models with fixed cable are available.

Electrode shaft	glass, Ø 12 mm
Immersion length	120 mm
Metal electrode	platinum disc Ø 5 mm
Temperature range	-5...80 °C
Reference system	Ag/AgCl
Electrolyte	gel-filled (about 3 M KCl)
Diaphragm	1 ring-shaped glass sleeve junction
Minimum conductivity of the medium	50 µS/cm
Pressure	< 6 bar
Electrical connection	<ul style="list-style-type: none"> ▪ S8 coaxial plug head with thread PG 13.5 ▪ S7 coaxial lab plug head ▪ fixed cable
Process connection	<ul style="list-style-type: none"> ▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings ▪ installation vertically or laterally up to 30° from vertical

- Electrical connections of the sensor:
 - EMC173I: S8 coaxial plug head with thread PG 13.5; separate connection cable is required
 - EMC173-L: S7 coaxial lab plug head; separate connection cable is required
 - EMC173-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
 - EMC173...: standard model EMC173 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
 - EMC173 (OEM): customer specially designed models (sensor length, OEM logo, ...)

- Accompanying plug head cable connections:
 - K43/2: coaxial cable, length 2 m with S7/S8 socket, without meter plug
 - K50/2: coaxial cable, length 2 m with S7/S8 socket and German DIN plug
 - K51/2: coaxial cable, length 2 m with S7/S8 socket and BNC plug

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