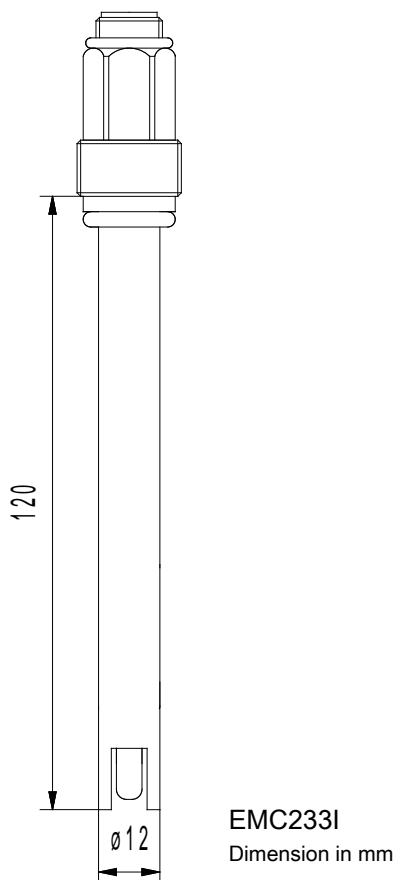


# EMC233

Redox/ORP Combination Electrode



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, biological systems 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 version with plug head and separated cable connection, models with fixed cable are available.

<b>Electrode shaft</b>	plastic (transparent), Ø 12 mm
<b>Immersion length</b>	120 mm
<b>Metal electrode</b>	platinum disc Ø 5 mm
<b>Temperature range</b>	-5...80 °C
<b>Reference system</b>	Ag/AgCl
<b>Electrolyte</b>	gel-filled (about 3 M KCl)
<b>Diaphragm</b>	2 ceramic frits to the measuring medium 2 ceramic frits between the two chambers
<b>Pressure</b>	< 6 bar
<b>Electrical connection</b>	<ul style="list-style-type: none"> <li>▪ S8 coaxial plug head with thread PG 13.5</li> <li>▪ S7 coaxial lab plug head</li> <li>▪ fixed cable</li> </ul>
<b>Process connection</b>	<ul style="list-style-type: none"> <li>▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings</li> <li>▪ installation vertically or laterally up to 30° from vertical</li> </ul>

- **Electrical connections of the sensor:**
  - EMC233I: S8 coaxial plug head with thread PG 13.5; separate connection cable is required
  - EMC233-L: S7 coaxial lab plug head; separate connection cable is required
  - EMC233-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
  - EMC233...: standard model EMC233 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
  - EMC233 (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