Meinsberg Electrodes

Gold Redox/ORP Combination Electrode EMAu305 and EMAu335

pH Combination Electrode EGA193, EGS150I and EGS173

Gold-Redox Combination Electrode EMAu305 and EMAu335

This Redox/ORP combination electrode with large-sized gold ring features application under industrial conditions in strong oxidising media in electroplating and process chemistry. The gold ring increases mechanical stability and decreases dependence on flow.
The type EM2AuT335VP is equipped with two gold rings and a temperature probe[1].

pH Combination Electrode EGA193

This low maintenance pH combination electrode with gel electrolyte and large-sized ring shaped PTFE junction features application under industrial conditions in water technology, sewage treatment, electroplating and process chemistry.
The type EGAT193 is equipped with a temperature probe[1].

pH Combination Electrode EGS150I

This pH combination electrode with gel electrolyte which can be autoclaved and sterilised is specifically developed for industrial applications and in-line measurements in biotechnological processes. The electrode features high reliability, low maintenance, good CIP and SIP ability, easy process connection without any housings for external pressure compensation and excellent long time stability even for applications with very difficult measurement conditions. The electrode can be used in small bio-reactors and in large scale fermentation processes.

pH Combination Electrode EGS173

This low maintenance pH combination electrode with gel electrolyte and large-sized ring shaped junction features measurements in soil and much purified waste water and abrasive media. The EGS173 is very stable because of the KCl reserve (KCl ring) in the reference system and the rugged membrane.
The type EGST173 is equipped with a temperature probe[1].

[1] You can choose between Pt 100, Pt 1000 or NTC 30 kΩ.

Sensortechnik Meinsberg

Gold Redox/ORP Combination Electrodes

	EMAu305	EMAu335
Electrode stem	glass, Ø 12 mm with refill hole	glass, Ø 12 mm
Immersion length	120 mm	120 mm
Metal electrode	gold ring Ø 10 x 6 mm	gold ring Ø 10 x 6 mm
Temperature range	-5...80 °C	-5...80 °C
Reference system	Ag/AgCl	Ag/AgCl
Electrolyte	liquid electrolyte, refillable, 3 mol/l KCl	gel-filled, 3 mol/l KCl
Diaphragm	1 ceramic	1 ceramic
Pressure	without pressure	< 6 bar
Connection	S7 coaxial lab plug head, fixed cable	S8 coaxial screw plug head, S7 coaxial lab plug head, fixed cable

pH Combination Electrodes

	EGA193	EGS150I	EGS173
Electrode stem	glass, Ø 12 mm	glass, Ø 12 mm	glass, Ø 12 mm
Immersion length	120 mm	120 mm	120 mm
pH range	pH 0...14	pH 0...14	pH 2...13
Temperature range	-5...80 °C	0...140 °C	0...100 °C
Membrane shape	ball	ball	half ball
Reference system	Ag/AgCl	Ag/AgCl	Ag/AgCl
Electrolyte	gel-filled, 3 mol/l KCl	pressurized gel, with KCl reserve	gel with KCl reserve
Diaphragm	ring shaped PTFE junction	1 ceramic	ring shaped junction
Isopotential point	pH = 7 ± 0.3	pH = 6.8 ± 0.3	pH = 7 ± 0.3
Pressure	< 10 bar	< 12 bar	< 6 bar
Connection	S8 coaxial screw plug head, S7 coaxial lab plug head, fixed cable	S8 coaxial screw plug head	S8 coaxial screw plug head, fixed cable

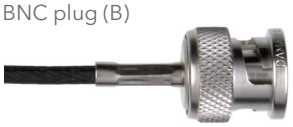
Plug head

S7 coaxial lab plug head (L)

S8 coaxial screw plug head with PG 13.5 (I)

Fixed cable

BNC plug (B)



BK plug (U)

Cinch plug (G)

DIN plug (D)

Thread PG 13.5

additional thread PG 13.5 at plug head (P)

additional thread PG 13.5 at shaft (P) for fluid filled electrodes

Temperature probe

Pt 100 (Y) Pt 1000 (X) NTC 30 kΩ (Z30)

Data sheets
Meinsberg Electrodes

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