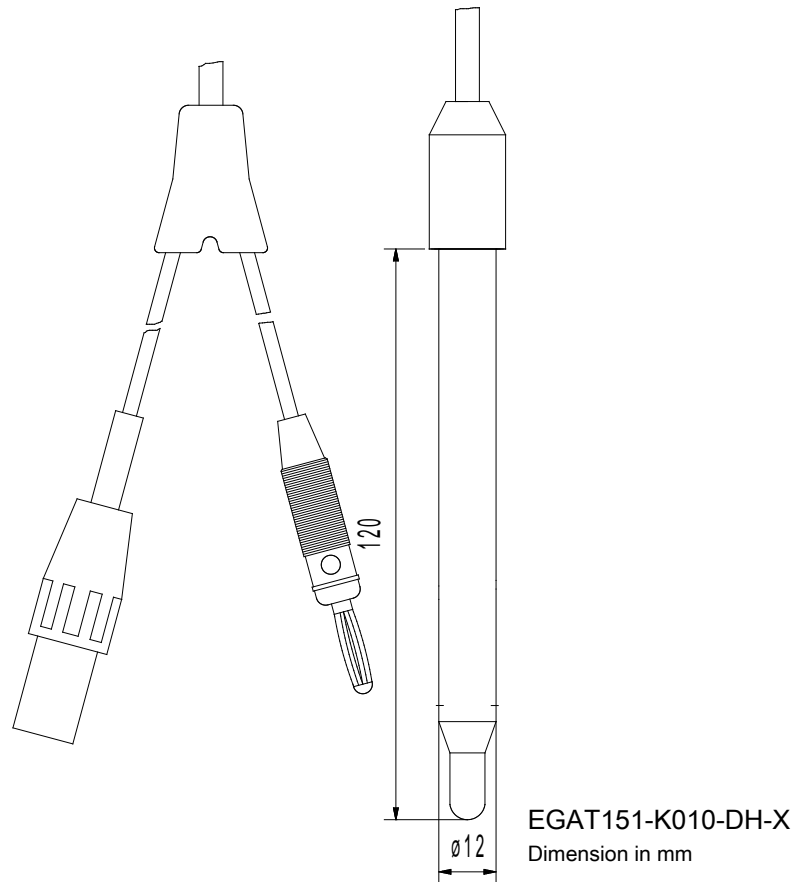


EGAT151

pH Combination Electrode with temperature sensor



The pH combination electrode with refillable electrolyte features a short response time and long working life. These characteristics result from the regenerative reference system. So it is possible to use the sensor in difficult application fields. Furthermore the electrode features application in water technology, sewage treatment, environmental analytics and aquaristics. The incorporated temperature probe allows simultaneous measurement of pH and temperature especially for automatically temperature compensated pH measurements.

Electrode shaft	glass, Ø 12 mm
Immersion length	120 mm
pH range	0...14
Temperature range	-5...80 °C
Temperature probe	<ul style="list-style-type: none"> ▪ Pt1000 ▪ Pt100 ▪ NTC 30 kΩ
Membrane shape	cylinder
Membrane resistance	≤ 500 MΩ (25 °C)
Reference system	Ag/AgCl
Electrolyte	fluid (about 3 M KCl), refillable
Diaphragm	1 ceramic frit
Isopotential point	7.0 ± 0.3
Minimum immersion depth	22 mm
Pressure	pressureless
Electrical connection	<ul style="list-style-type: none"> ▪ 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:
 - EGAT151-K010-DH-X: 1 m fixed cable, DIN and banana plug; Pt1000
 - EGAT151...: standard model EGAT151 (cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5; temperature probe are available)
 - EGAT151 (OEM): customer specially designed models (sensor length, OEM logo, ...)