

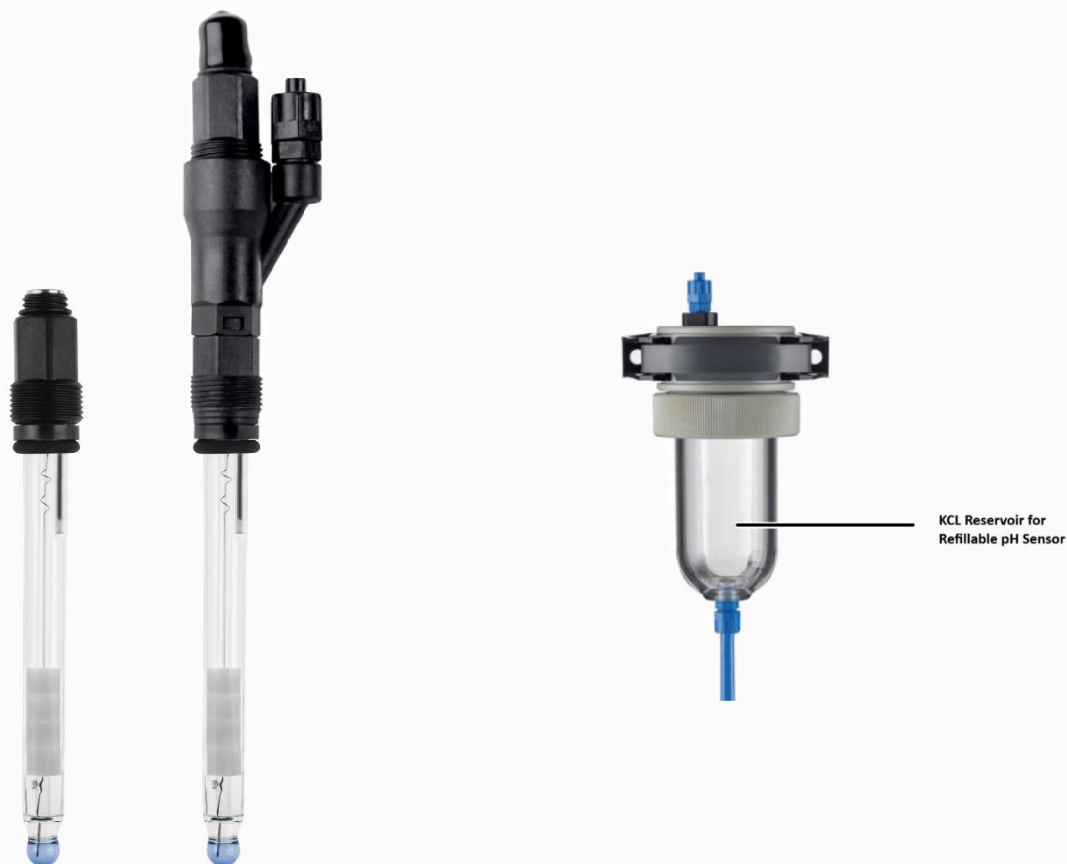


TM
DE DYNAMIC
Process Equipment

pH Sensor
AquaSense PH-02

AquaSense pH Sensors – Pure & Ultra-pure Water

AquaSense PH-02



AquaSense Series pH electrodes are particularly suitable for water applications including the low ionic applications such as pure water and ultra-pure water measurements. They are combination electrodes with high quality Zirconium dioxide ceramic, single or tripple junction system. A PT-1000 temperature sensor is optionally supplied integrated with the sensor.

Liquid KCL electrolyte is used as a reference electrolyte. It offers robust and stable contact between the diaphragm and the conduction system.

Applications

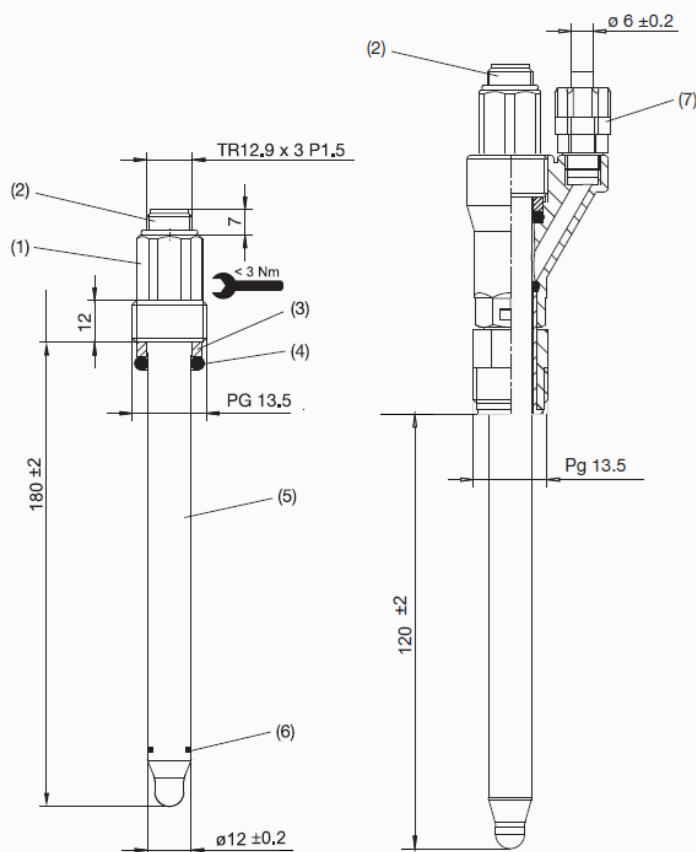
- Media with very low conductivity ($> 0,1 \mu\text{S}/\text{cm}$ in case of 3 diaphragms, $> 5 \mu\text{S}/\text{cm}$ in case of 1diaphragm)
- Electroplating processes, PCB production
- Boiler feed water
- RO Water & Water treatment

Features

- 1x or 3x Zirconium dioxide diaphragm
- Cartridge-style conduction system
- Fitting for refillable KCl design

Specification:

pH Sensor AquaSense PH-02		
Application		Pure & Ultra-pure water treatment applications
Construction	Liquid Junction	Triple Ceramic Junction
	Type	12mm Diameter Glass Body Combination Electrode
	Reference	Ag/AgCl in cartridge type conduction system with optional refillable KCL design
	Electrolyte	Liquid KCL Electrolyte
Measurement Range	pH	0 to 14 pH
	Temperature	0 to 80 °C
Temperature Sensor		PT1000
Process Range	Temperature	0 to 135 °C
	Pressure	6 Bar
Process Connection		PG13.5 Free Turning Cap
Dimensions	Diameter	12mm
	Length	120mm
Protection		IP 66 and IP67



- (1) Pg13.5 screw head (max. tightening torque 3 Nm)
- (2) TR12.9 × 3 P1.5 thread
- (3) Ring (PSU)
- (4) O-ring 10 × 3,5 (FPM70)
- (5) Electrode shaft (DIN19263 glass)
- (6) 1 to 3 diaphragms
- (7) Connection for overpressure attachment

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SmartDip 420M is a compact retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in different chemical applicatio...



SmartDip 240M

SmartDip 240M is a compact retractable electrode housing. This version can fit 120mm long sensor. It comes with 1" NPT, Triclover connection.



SmartDip 450M

SmartDip 450M is a pneumatically operated retractable electrode housing with long immersion length and isolation ball valve. This unique model can fit 120mm long sensor.