



## PES1 & 3

### Inline Electrode System



**PES1 - QR**



**PES1 K**



**PES3**

The PES1 & PES3 range of electrode will hold any Of the AWE Instruments range of electrodes fitted with the ryton flared caps. The holders are designed for easy calibration, maintenance and electrode replacement. Electrode replacement requires no tools and can be accomplished in a few minutes.

The PES1 is a simple P.V.C. pH or redox electrode holder designed to screw into a 3/4" plain tee fitted with a 1/2" B.S.P. bushes or or a 3/4" plain tee fitted with 3/4" to 1/2" B.S.P. reducer.

The PES1-QR is a simple inline pH or redox electrode holder with a quick release fitting to enable easy removal from the line for cleaning and calibration. The electrode is fitted with a bulb guard to prevent damage.

The PES1-QR -TC is mounted into a P.V.C. cross piece inserted into the bottom of the cross is mounted the automatic temperature compensator. The ATC can be manufactured in 316 stainless steel and also used as a solution ground for use with differential systems requiring this facility.

The PES1-K is similar to the PES1 but manufactured from Kynar (P.V.D.F.). for those application requiring greater chemical resistance or elevated temperatures.

The PES3 is manufactured from 316 stainless steel for greater mechanical strength and high temperature use in the Dairy and Brewing industries.

## Specifications

### PES1 - 3

#### PES1- QR

Materials of construction	P.V.C.
Fitting	3/4" solvent weld on or 1/2" B.S.P..
Temperature	0 - 50 °C
Pressure	max. 15 P.S.I. at 20 °C

#### PES1-QR - T.C.

Materials of construction	P.V.C.
Fitting	3/4" solvent weld on or 1/2" B.S.P..
Temperature	0 - 50 °C
Pressure	max. 15 P.S.I. at 20 °C
Temp comp fitting	1/2" B.S.P.
Temp comp	Pt100 ohm two wire sensor Others to order please specify

#### PES1-K

Materials of construction	Kynar (P.V.D.F.)
Fitting	1/2"
Temperature	0 - 100 oC with suitable H.T.. electrode
Pressure	Max 100 p.s.i. at 20 °C

#### PES3

Materials of construction	316 stainless steel
Fitting	1/2" B.S.P.
Temperature	0 - 100 °C with suitable H.T.. electrode
Pressure	Max 100 P.S.I. at 20 °C

Note as a general rule the higher the temperature and / or pressure the shorter the life will be of any electrode. where ever possible install electrodes in a sample line piped to drain or a low pressure point in the system. if high temperature solutions are to be measured the installation of a sample cooler will lengthen the electrode life.



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