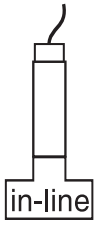
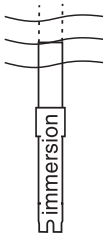
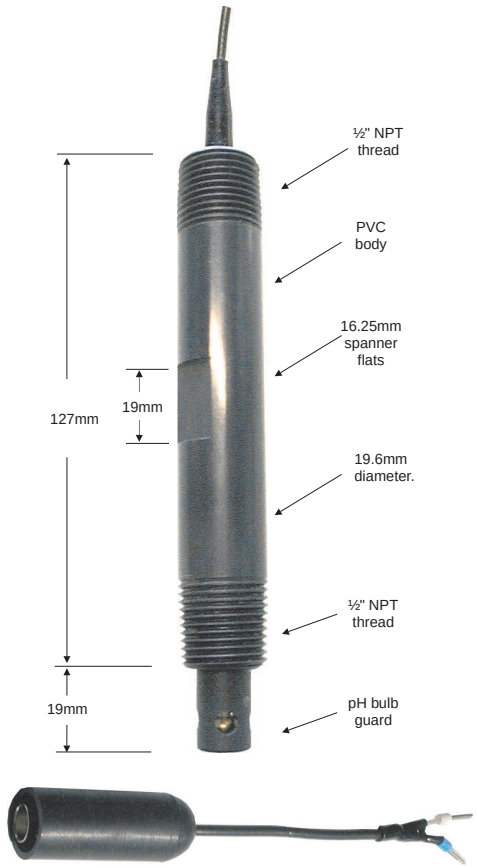


ANPC Series pH/ORP Sensors

½" NPT threaded industrial electrodes featuring excellent performance / compact size



- *Polaris* high porosity polymer reference junction resists plugging and coating.
- *Dynagen* self pressurising reference gel improves reference cell performance.
- Full range pH bulb ensures accurate measurement.
- PVC and glass wetted materials ensure greater process compatibility.
- ½" NPT thread at each end allows a variety of installation methods.
- All encompassing bulb guard reduces sensing membrane damage.
- Rugged 10m cable with BNC connector standard.
- Suitable for cooling tower, swimming pool, fish farms, aquarium and industrial applications.
- Available in pH and ORP models.



BNC to pin adapter - P-BNC/BP-100

Conventional pH electrodes are constructed with reference electrolyte that is easily contaminated by migrating particles from processes being measured. The PC series combination electrodes have a reference system that incorporates a reference gel that is self pressurising, thereby eliminating failure due to reference contamination.

The PC's sealed reference design requires no maintenance or electrolyte refilling for continuous measurements online and in laboratory applications.

The PC electrode features a chemically resistant porous junction and rugged PVC body with front and rear threads designed for inline and submersible applications.

The sensor's pH bulb guard protects the full range sensing element.

The electrodes are supplied with a 10m cable and BNC connector.

Specifications

pH range:	0 to 14 pH
Temp range:	0 to 60^{O}C
Response time:	95% <15 seconds (in buffers)
Pressure:	3.5 bar (50 psi)
Cable length:	10 metres (standard)
Connections:	BNC
Reference junction:	*Polaris* polymer membrane
Reference cell:	*Dynagen* cross link gel single junction
Wetted materials:	PVC and glass
Temp compensation:	Nil

Ordering:

pH sensor:	P-PHANPC10MBN
ORP:	P-ORANPC10MBN

What is POLARIS ?

Polaris is a high porosity polymer material which when used as an pH electrode reference junction, provides a superior amount of surface area that will not plug or clog quickly from process particulates.

The high porosity of the *Polaris* junction allows ion diffusion to be very constant in processes containing high particle concentrations. The honeycomb configuration of this material combined with the tortuous path throughout *Polaris* allows for normal migration of ions but not process contaminates.

Processes with hydrocarbons or organics become less challenging and these electrodes last longer, requiring less maintenance and replacement costs.

What is DYNAGEN ?

Dynagen (dynamic generated reference) self pressurising gel combines a unique "cross link gel base" that allows a constant ion transfer. This enables the electrolyte to provide fresh ions within the electrode reference chamber when and where most needed.

Upon insertion into your process, *Dynagen* will begin to expand within the reference chamber, thus creating its own internal pressure. This unique feature provides immediate results, significantly increasing the reference electrode's life.

PHANPC-2.1-0

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