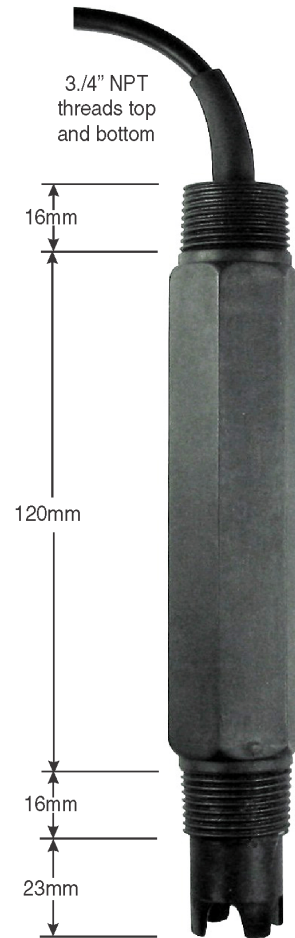# Flat Glass Industrial pH Sensor

Features

- Universal electrodes for inline and immersion applications
- Dynagel^{TM} reference provides a stable E(zero) and a long life.
- Double junction reference further prolongs electrode life and resists contamination.
- Kynar, glass and viton wetted materials ensure greater process compatibility.
- Rugged flat surface "self-cleaning" sensing element
- Highly responsive inbuilt Pt1000 and Pt100 temperature compensation sensors, both sensors are included
- Thread at each end allows a variety of installation methods
- Rugged 10m cable with BNC connector standard
- Shroud offers protection to sensing surface

Description

The PHPG series pH sensors feature the revolutionary Dynagel^{TM} self pressurising reference and a double junction reference using Polaris^{TM} reference junction material. This reference junction combination fights contamination in even the toughest of applications. Housed in a Kynar body this model resists chemical corrosion and heat stress breakdown.

Standard 3/4″ NPT threads on front and rear of housing allow for a greater variety of process mounting configurations including in line and immersion when combined with a suitable immersion assembly.

The flat surface design means that flowing process streams clean the sensing surface and the build up of contaminants is minimised. This design makes this electrode ideal for use in inline installations in waste water streams, canals, ozone generation systems, cooling towers, water treatment plants or anywhere where periods between electrode maintenance may need to be extended.

3./4" NPT threads top and bottom

16mm

120mm

16mm

23mm

Part number: P-PHGBFPT10MBN

Specifications

pH range:	0 to 13 pH
Operating temperature:	1 to 100 ^{o}C
Operating pressure:	100 PSI
Temperature sensors:	Pt100 and Pt1000
Wetted materials:	Kynar, glass, viton
Process insertion:	3/4″ NPT thread
Cable length:	10m
Electrical Connection:	BNC for pH
	Bare wire for temperature
	Red + Black (Pt100)
	White + Green (Pt1000)

PHPGF-1.1-0