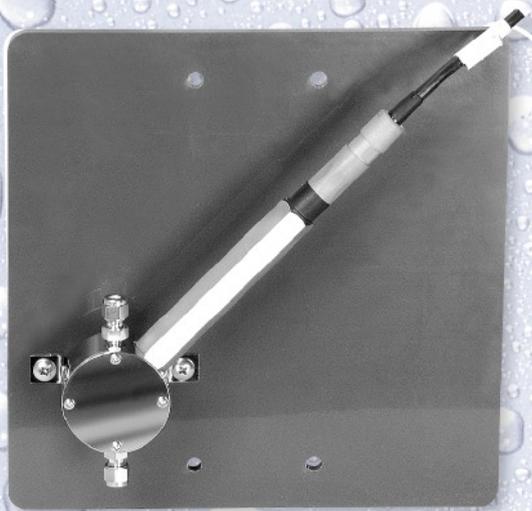


Model OPF201 High Purity Water pH Measuring System



For use in high purity water applications such as Pharmaceutical water for injection (WFI), boiler feed water and Power Plant applications

High purity water pH measuring system with 316 SS flow assembly and maintenance-free pH sensor

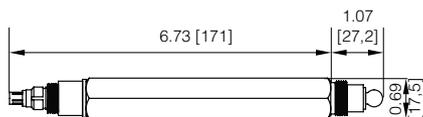
- 316 SS low flow assembly eliminates flow dependency and provides stable pH reading for low conductivity water
- PVC mounting plate provides electrical isolation from process
- Replaceable pH sensor with patented porous Teflon reference junction and large reference electrolyte volume
- Capillary Pt 100 or Pt 1000 temperature sensor positioned in tip of the electrode ensures optimum response and accuracy
- NEMA 6 rated detachable cable system provides the convenience of a quick connect with the reliability of a fixed cable
- Sensor pre-amplifier integral to cable (optional)

Features NEMA6
Rated Waterproof
Connection



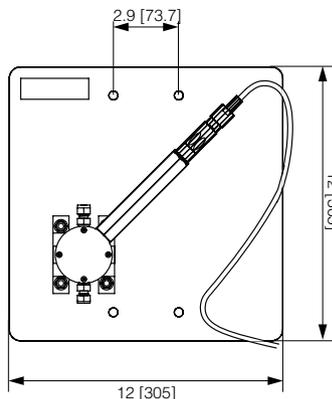
OPF201	Specifications
Measurement range	pH 0 - 14, temperature 2 - 75°C (36 - 167°F)
Pressure range	Maximum 3.45 bar (50 psig)
Temperature range	2 - 75°C (36 - 167°F)
Temperature sensor	Pt 100 or Pt 1000 RTD
Process conductivity	less than 100 µS/cm
Drift	less than 0.02 pH/week at 0.5 µS/cm at 25°C
Flow rate	50 - 250 ml/min, optimum 150 ml/min
Response time (@ 25°C / 77°F)	95% of reading in 10 seconds
Materials of construction	pH sensor 316 stainless steel, Teflon Viton®, glass Flow assembly 316 stainless steel, Viton®
Process connections	1/4 inch 316 stainless steel compression fitting or 6 mm OD 316 stainless steel compression fitting

OPF201 electrode dimensions



inch [mm]

OPF201 on-line unit dimensions



Dimensions Diagram

OPF201				
	Process adaption			
	A	Compression fitting, OD 6 mm, 316L		
	B	Compression fitting, 1/4", 316L		
	C	Replacement electrode		
	Electrode type / temperature compensation			
	1	Integrated Pt 100		
	2	Integrated Pt 1000		
	Cable connections			
	A	NEMA 6 cable, pre-amplifier with BNC connector (Model 800 transmitter)		
	B	NEMA 6 cable, pre-amplifier with pin connectors (Model 802 transmitter)		
	C	No cable, sensor only		
	D	Cable selection from below (no pre-amplifier)		
	Ø5	5 foot cable with pre-amplifier (cable connection A or B above)		
	xx	specify cable length in feet, with pre-amplifier (cable connection A or above)		
	zz	for cable selection below, no pre-amplifier (cable connection C or D above)		

Order Code

Accessories

Cables	Shielded pH cable with NEMA 6 waterproof connector, stripped and tinned ends, with internal solution ground lead (for use with Model802 Field Mount Analyzer)
For cable connections code D above	
OPK9-NPA1B	1.5 Meter
OPK9-NQA1B	3 Meter
OPK9-NAA1B	5 Meter
OPK9-NBA1B	10 Meter
OPK9-NCA1B	15 Meter
OPK9-NDA1B	20 Meter
	Shielded pH cable with NEMA 6 waterproof connector, BNC and tinned ends, with internal solution ground lead (for use with Model800 Panel Mount Analyzer)
OPK9-NPA1B	1.5 Meter
OPK9-NQA1B	3 Meter
OPK9-NAA1B	5 Meter
OPK9-NBA1B	10 Meter
OPK9-NCA1B	15 Meter
OPK9-NDA1B	20 Meter
	Calibration Solutions
OPY 21	NIST Traceable pH Calibration Solution, pH 4.00, 1000ml
OPY 23	NIST Traceable pH Calibration Solution, pH 7.00, 1000ml
	Installation Housings
OPA442, 640	Fixed housings
B60x	In-line hygienic
OPA475	Hygienic retractable
OPA450, 471, 472, 473	Industrial retractable
OPA111	Industrial submersible



Model 800/802



Portable Validation Unit

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