

Model P66 • Capacitance Probe, Sanitary Service, Metal Ion Free Service

Features

- ✔ Virgin polypropylene or Kynar® PVDF comes in contact with the process fluid
- ✔ Thick plastic jacketing is welded in place
- ✔ No cracks, joints, or crevices to collect contaminants
- ✔ Suitable for fluids used in silicon chip and electronics manufacturing
- ✔ For extremely corrosive industrial processes such as hydrofluoric acid plants, pickling lines, and plating solutions
- ✔ Plastic surfaces are flame smoothed for the best available surface

Description

The Delta Controls **Model P66** Capacitance Probe uses all plastic wetted parts and is intended for sanitary service. The probe is designed for **use in processes and storage tanks** where the possibility of contamination is prohibited. Process examples include injectable solutions, pharmaceutical dilution fluids, heavy water for research, electronic chipmaking, and high quality plating systems.

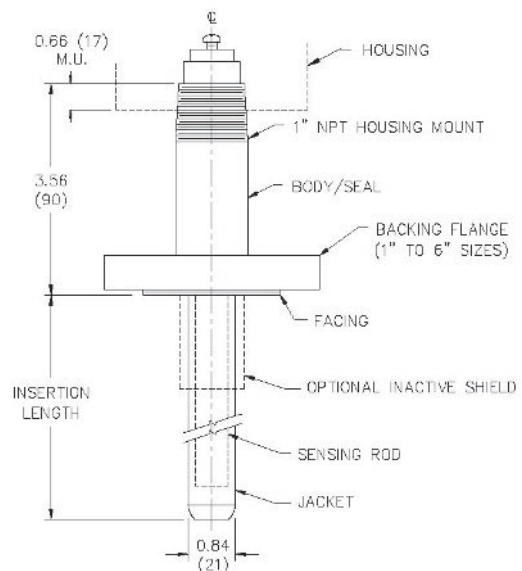
The P66 is also commonly used in industrial process systems which are extremely corrosive. **Kynar® PVDF is highly inert** and unaffected by almost all strong acids and bases below a temperature of +275 °F (+135 °C). Applications include hydrofluoric acid level, refinery hydroformers, bromine condensers, chlorine generation cells, radioactive processes, and wastes.



Model P66

Specifications

Working Pressure:	-15 psig to +300 psig (-1.0 bar to +20.7 bar)
Working Temperature:	-40 °F to +300 °F (-40 °C to +149 °C)
Insertion Length:	≤ 10 ft (3 m)
Process Connection:	2.0 in minimum
Threaded Process Connection:	2.0 in to 3.0 in
Flanged Process Connection:	2.0 in to 4.0 in
Flange Rating:	≤ 600 lb
Available Wetted Materials:	Kynar® PVDF, Polypropylene, carbon steel (other materials available)



Model Numbering System

MODEL EXAMPLE	MODEL	-	INSERTION LENGTH	-	SHIELD & EXTENSION	-	PROCESS CONNECTION	-	OPTIONS ¹
	P66K	-	**.*	-	AA	-	2"MPTY	-	AA
MODEL	DESCRIPTION								
P66K	Capacitance Probe, Sanitary Service, Metal Ion Free Service, Kynar®								
P66P	Capacitance Probe, Sanitary Service, Metal Ion Free Service, Polypropylene								
INSERTION LENGTH	DESCRIPTION								
**.*	**. * in of insertion (120 in max)								
SHIELD & EXTENSION	DESCRIPTION								
AA	None								
I*	* in inactive shield								
PROCESS CONNECTION	DESCRIPTION								
	Refer to 120 for process connections								
	MPT size 2 in minimum								
	Flange sizes 2 in to 4 in, Classes 150, 300, 600								
OPTIONS¹	DESCRIPTION								
AA	None								
PH4	Probe head housing with terminals for use with remote mounted electronics unit, 4X housing								
PH7	Probe head housing with terminals for use with remote mounted electronics unit, 7X housing								

Notes:

¹ A hyphen will separate multiple options selected

REQUIRED ORDERING INFORMATION:

- Detailed model number
- Tag or nameplate detail (if required)
- Documentation & testing packages (if required, refer to Additional Resources)

APPLICATION DETAILS:

- Process fluid or material name*
- Process fluid or material dielectric constant
- Maximum process temperature
- Maximum process pressure

*Upper and lower materials required for interface service