Model P80 Series 2 · Capacitance Probe, Flexible Cable, Dry Granulated Solids and Powders

Features ———

- Strong, highly reliable and heavy-duty cables
- Ourable gland to cable connection
- Fiber filled Delrin[®] insulators and support for longterm reliability
- Secondary seal of PTFE prevents moisture and condensation from causing false switching
- ✓ Bare stainless steel sensing rods and cables resist abrasion and corrosion
- Proven reliability in wide-ranging solids applications



The top-mounted Delta Controls P80 Series 2 Capacitance Probes are top-mounted on a tank or silo with a cable hanging inside the vessel. Bottom weights are required when strong air currents are present. The insertion should be limited to 6 feet when high velocity air currents are present. The glands are sealed against moisture and water. All materials are 316 Stainless Steel.

Model P87 and Model P87W are general-duty probes with a 0.125 inch diameter (3 mm) cable without a weight. It is intended for service where roiling or side-to-side movement of the process solids occur. Applications include cement load out bins, flour bins, bottom centerline takeout pellet hoppers, etc.

Model P87W has a weighted bottom to provide cable stability.

Model P88 is a heavy-duty probe with a 0.19 inch diameter (5 mm) cable and a bottom weight for service in heavy granules and similar small chunks. Taconite, marble chips, and similar materials are reliably sensed.

Model P89A is a heavy-duty cable probe which is hung from an internal support to the tank support. The lower end is free to move and follow the flow of material.

Model P89B has an additional tie-off at the tank's bottom and is recommended when there is substantial horizontal material flow. Multiple switch points or a 4-20 mA signal are common output signals. Used for service in tall cement silos, etc.

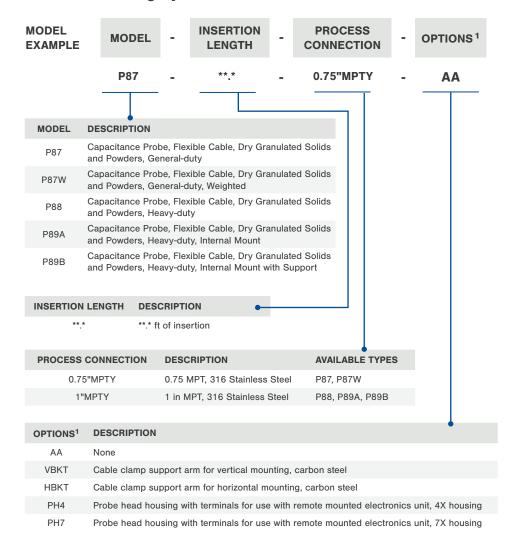


Model P80 Series 2

Specifications -

Туре:	Top Mount
Working Pressure:	+1500 psig (+103.4 bar) at +100 °F (+38 °C)
Working Temperature:	-460 °F to +400 °F (-273 °C to +204 °C)
Bulk Density:	1230 lb/ft³ to 6500 lb/ft³
Insertion Length:	Custom
Process Connection:	0.75 in NPT minimum
Threaded Process Connection:	0.75 in to 1.0 in
Available Wetted Materials:	316 Stainless Steel

Model Numbering System



Notes:

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

¹ A hyphen will separate multiple options selected