

MODELS P55 AND P56 DIRECTLY INSERTED PROBES FOR HIGH PRESSURE AND TEMPERATURE SERVICE

TS P55

ADVANTAGES FOR LIQUIDS AND INTERFACES

- Working pressure service to 1500 PSIG (100 BAR) and temperatures up to 1000° F (535°C)
- All primary seals and insulators are ceramic
- Multiple sealing produces maximum reliability and safety as well as a long service life
- Triple sealing is basic on P55 probe
- P56 probe is high gain for low Dc
- Alumina probe jacket withstands abrasion from slurries and entrained solids
- Can be used for steam condensate and drainage up to 850° F (300°C)

APPLICATION

The P55 and P56 probes allow the use of R.F. admittance technology to be used in extremely high pressure and temperature services. These recently developed probes can replace nuclear gamma ray sensors and solid mechanical displacers in many applications. Using probes avoids nuclear licensing and the safety concerns of employees. It also avoids difficulty due to large size, high purchase costs, high installation costs, and frequent maintenance.

These probes have been applied to high pressure/temperature fatty acid reactors, steam condensate knockouts, coal gassification, and similar difficult applications.

The ceramic materials used are very strong, however, they are brittle at ambient temperature. Delta Controls has developed protective packaging that protects the units from inadvertent damage while being transported or stored.

SPECIFICATIONS

Working Service:

Steam to 850°F (300°C)

Others to 1000°F (535°C)

Pressure: To 2500 PSI (175 BAR)

Insertion Length: Up to 60 inches (1500 mm)

Process Connection:

2" or larger ANSI, Greyloc hubs, DIN, JIS, etc.

Temperature Extension: May be required to achieve maximum rating; consult factory with application.

Electronics Module: Compatible with all models.

Ceramics: Recrystallized alumina and lava.

Metals: A105 carbon steel, 316 S.S., Monel, Hastelloy® "C", others optional.

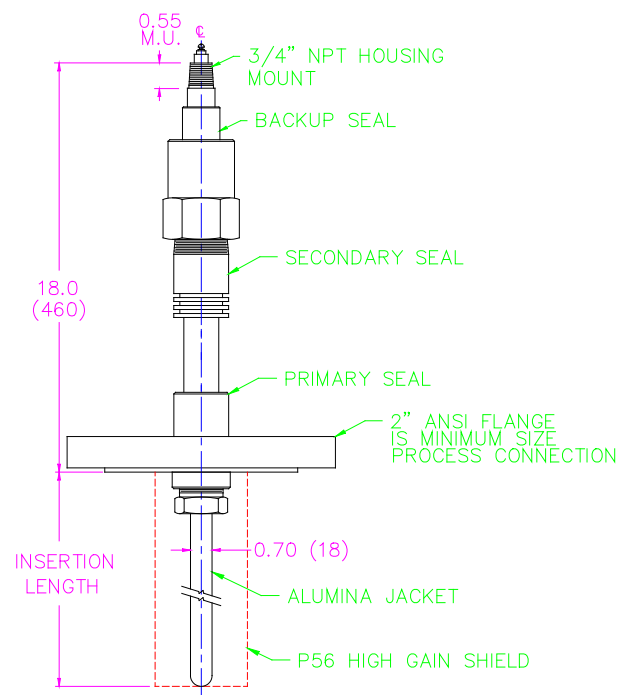
Additional Seal and Flarestack Vent Connection:

Optional for lethal or toxic service.



P55 SHOWN WITH
3"/900# RF

OUTLINE DIMENSIONS



DELTA CONTROLS
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