

Application_19021

Application PT-series & LT-series

Pressure Transmitter PT06/600-series:

PT06/600 series covers most types of media and most industrial environments in just about every conceivable application. PT06/600 are used for measuring pressure and Level in gases, vapours and liquids.

The series is designed with integrated pressure connections like threads, flanges, clamps, removable during production, PASVE and different designed connections with flush diaphragms for media with particles or demand for sanitary design. Several different steel diaphragm materials are available to cover many different chemicals.

Transmitter house:

Transmitter housing is made in stainless steel to be used in the most aggressive environments, with different design, cable ports and displays.

Sanitary application specialist:

A food processing plant had problems with temperature drift after running CIP (clean in place) process, because their transmitters were made of pressure intermedium seals. The plant installed PT06 with integrated connection single filled system and eliminate the temperature drift entirely.

CIP/SIP (clean in place/sterilized in place) processing demands frequent cleaning and sterilization. The process temperature cycles from 4...205°C, once it's complete and process temperatures returns to working temperature the pressure transmitter should do the same without any drift. Very many devices will however due to poor design of the process connection show a zero drift after the cleaning procedure.

There is no short cut to reach reliable, stable and accurate measurement for these demanding applications. Transmitters with remote seal and adapters will after a while drift out of its specification.

Pulp and Paper specialist:

Several Pulp and paper plant need a robust process connection to withstand fibre rich and viscous media G1½" with front diaphragm and the robust embossed diaphragm extended the life time 10 times. After evaluation the plant decided to standardize with PT-series.

Removable during operation:

Removable during operation with front bounded diaphragm can be used on fibre rich and viscous media without pocket. This connection is very popular within Pulp and Paper industry were there requirement is to run the process without interruption event if the transmitter needs to be exchanged.

If we get problem with a measurement signal or if we need to recalibrate a transmitter this must be made without interrupting the production says Production Manager for SCA Liner Board.



This is the reason for SCA to standardize with Pondus transmitters with process connection removable during operation. The plant has today approximately 200 or more transmitters distributed on different places.