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SPT21S Anti-corrosive Pressure Transmitter

Features

- Integrated construction, unnecessary to do outer adjustment
- Special Material, anti-corrosive
- high reliability and stability



Introduction

SPT21S is pressure transmitter with special material for anti-corrosive application. It is made by ceramic diaphragm sensing element and high accurate circuit board into the PTFE wetted parts. Integrated construction and standard signal provide the user easy and convenient application in the local working place. SPT21S pressure transmitter is suitable for pressure/level measurement of corrosive liquid.

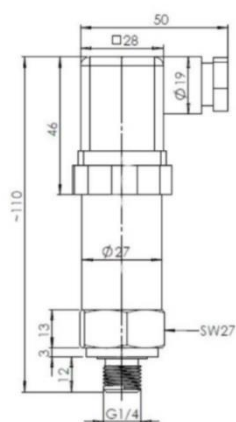
Specification

| Item | Specifications |
|----------------------------|---|
| Range (FS) | 0~0.3...30bar |
| Over pressure | 2 times FS |
| Accuracy | ±0.1%FS. ±0.25%FS. ±0.5%FS |
| Stability | ≤±0.2%FS/year |
| Thermal drift(range> 1bar) | 0.02%FS/°C (offset) 0.05%FS/°C(span) |
| Thermal drift(range≤ 1bar) | 0.02%FS/°C (offset) 0.05%FS/°C(span) |
| Application temp. range | -10~80°C |
| Storage temp. range | -40~100°C |
| Power supply | 11~28VDC |
| Output signal | 4-20mA. 0-5V. RS485. etc |
| Load (Ω) | <(U-11)/0.02 |

Construction Material

| | |
|--------------|------------------------|
| Housing | SS304 |
| Wetted parts | PTFE |
| O-ring | FKM |
| Diaphragm | Ceramic |
| Connector | Nylon with glass fiber |

Outline Dimension (Unit:mm)



DIN43650 plug version

Electric Connection

| Pin | Connection |
|-----|------------|
| 1 | +V |
| 2 | +OUT |

Order Guide

| | | | | | | |
|--------|--|-------------------------------------|---|---------------------------------|--------------------|--|
| SPT21S | | Anti-corrosive Pressure Transmitter | | | | |
| | | Range | | 0~0.3...30bar | | |
| | | [0~X] bar | | X: the actual measured pressure | | |
| | | | | Code | Output signal | |
| | | | | E | 4~20mADC | |
| | | | | J | 0~5VDC | |
| | | | | V | 0~10VDC | |
| | | | | V1 | 0.5~4.5VDC | |
| | | | | R | RS485 interface | |
| | | | | Code | Process connection | |
| | | | | C2 | G1/4 male thread | |
| | | | | C3 | G1/2 male thread | |
| SPT21S | | [0~1bar] | E | C2 | the whole spec | |

Note:

Please pay attention that the medium should be compatible with the contacted parts;

1. When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably;
2. For special requirement, please feel free to contact us.