Inert Gas Pressure & Temperature Transmitter for Liquid Cargo

The T901-Px1A Temperature & Pressure Transmitter meets the most rigorous liquid cargo monitoring requirements. Connected directly to the radar, it requires only a single installation in order to obtain both temperature and pressure measurements.

The T901-Px1A Temperature & Pressure Transmitter’s unique modular design allows for easy maintenance. This absolute-type pressure cell withstands damage due to the saline environment, and can be connected via a flexible hose for insensitivity to heavy seas. Its temperature probes (from one to three) provide high-accuracy liquid temperature measurements enabling the computer to directly correct for density parameters.
T901Px1A - Technical Specifications

### Technical Data

#### PRESSURE
- **Range:** 800 to 2000 mbar (Abs)
- **Accuracy:** ±0.3% FS at 20°C
- **Output:** 0.5 to 2.5 Vdc (3 wires)
- **Allowable overpressure:** 4000 mbar (Abs)
- **Power supply:** 5 Vdc

#### TEMPERATURE
- **Temperature sensors:** PT100Ω at 0°C (3 wires)
- **Accuracy:** IEC 751 class B
- **Range:** -46°C to +250°C

#### GENERAL
- **Intrinsically safe:** IECEx, ATEX.
- **II 1 G D**
- **Ex ia IIC T6 Ga**
- **Ex ia IIIC T80°C Da IP66/67**
- **Operating ambient temperature:** -35°C to +70°C
- **Storage temperature:** -55°C to +85°C
- **Protection class:** IP66/67
- **Material:**
  - Housing: Stainless steel 316L
  - Temperature sensors: Stainless steel 316L
  - Pressure sensor: Stainless steel 316L
  - Diaphragm: Ceramic
  - Pressure sensor can be disconnected to facilitate the cleaning of the pressure tap.
- **This transmitter to be connected to radar only.**
- **Available types:**
  - T901-P11A: 1 x T° sensor & 1 x Pressure sensor
  - T901-P21A: 2 x T° sensor & 1 x Pressure sensor
  - T901-P31A: 3 x T° sensor & 1 x Pressure sensor
- **Standard T° probe lengths:** 1m; 2m; 3m; 5m; 8m; 15m.....
- **Optional:** Flexible hose BV2 or BV3 type according to cable diameter.
  - Approved by major classification societies

#### Special Features
- **Material:**
  - Housing: Stainless steel 316L
  - Temperature sensors: Stainless steel 316L
  - Pressure sensor: Stainless steel 316L
  - Diaphragm: Ceramic
- Pressure sensor can be disconnected to facilitate the cleaning of the pressure tap.
- This transmitter to be connected to radar only.

#### Technical Documentation
- **Installation manual:** MI5016
- **Technical manual:** MT5016
- **Maintenance manual:** MM5016

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