

ETS 4548 HSI Series

HYDAC Self Identification



Applications



Description

The electronic pressure transmitter ETS 4548-H with HSI sensor recognition has been specially developed for use in conjunction with HYDAC measuring instruments HMG 500, HMG 510, HMG 3000 and CMU 1000.

For data transmission, the ETS 4548-H has a HSI interface (*HYDAC Sensor Interface*). The HSI sensors are automatically recognized via the HSI interface by the above-mentioned HYDAC measuring instruments and all the necessary basic settings are taken from each sensor.

Like all temperature transmitters in the ETS 4000 series, the ETS 4548-H features a robust design and excellent EMC characteristics. Based on a silicon semiconductor device and corresponding evaluation electronics, the temperature sensor is designed to measure temperatures in the range -10 to 212°F.

Special Features

- Automatic recognition by and voltage supply from HYDAC measuring instruments HMG 500, HMG 510, HMG 3000 or CMU 1000
- Automatic transfer of measuring range, measured value and measurement units
- Robust design
- Pressure resistant to 8700 psi
- Excellent EMC characteristics
- Standard protection class IP 67

Approvals



CE mark is a mandatory conformity mark on many products placed on the single market in the European Economic Area

Technical Details

| Sensor Specifications | |
|--|---|
| Measuring range | -13° to 212°F (-25° to 100°C) |
| Rated pressure - psi | 8700 |
| Mechanical connection | G1/4A DIN 3852 male (standard for °C ranges only) SAE 6 9/16-18 UNF 2A (standard for °F ranges only) |
| Tightening torque | 15 lb-ft (20 Nm) |
| Parts in contact with media | Stainless Steel, FPM Seal |
| Accuracy | ≤ ±1.5% FS typ. |
| Rise time to DIN EN 60751 | t50= 4s ; t90= 6s |
| Output signal | HSI (Automatic Sensor Recognition) |
| Weight | Approximately 200 g. |
| Environmental Condition | |
| Operating temperature range | -13° to 212°F (-25 to 100°C) |
| Storage temperature range | -40° to 212°F (-40° to 100°C) |
| Media temperature range | -40° to 248°F (-40° to 120°C) |
| CE mark | EN 61000-6-1 / 2 / 3 / 4 |
| Vibration resistance to DIN EN 60068-2-6 at 10 to 500 Hz | ≤ 20g |
| Environmental protection | IP 67 (When an IP 67 connector is used) |
| Electrical Specifications | |
| Supply voltage | from HMGs 3000, 510 or 500 |
| Electrical connection | ZBE 30-02 sensor cable M12x1 (6') ZBE 30-05 sensor cable M12x1 (15') |

Model Code**ETS 4 5 4 8 - H - 000****Mechanical Connection**

- 4 = G1/4 A DIN 3852 (male) (°C)
 7 = SAE 6, 9/16-18UNF2A male (°F)

Electrical Connection

- 8 = connector M12X1, 5-pol.

Signal Technology

- H = Sensor Identification HSI

Modification Number

- 000 = standard

Dimensions