## ETS 4548 HSI Series

#### **HYDAC Self Identification**



#### 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.

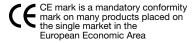
For data transmission, the ETS 4548-H has a HSI interface (HYDAC Sensor Interface). The HSI sensors are automatically recognized via the HSI interface by the above-mentioned HYDAC measuring instruments and all the necessary basic settings are taken from each sensor.

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.

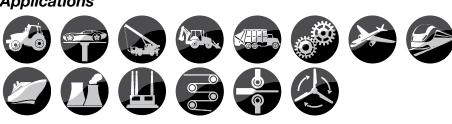
#### Special Features

- 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**



### **Applications**

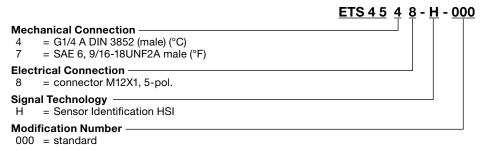


#### **Technical Details**

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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 usesd)
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')

# HSI Temperature Transducers HYDAG

#### **Model Code**



#### **Dimensions**

