



- ▶ High quality stainless steel alloy
- ▶ For hydrogen applications
- ▶ Compact and robust
- ▶ Long life and high performance

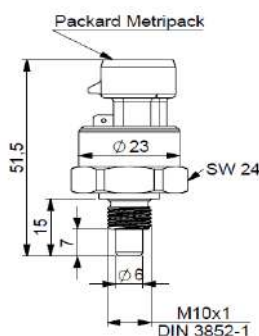
The ETP21H2 was specially designed for applications where hydrogen powered processes and other aggressive media, like pressurised gas or liquids, requires accurate and reliable temperature measurement. The compact design is very robust and offers high performance thanks to its high quality stainless steel alloy housing. The sensor withstands pressures of up to 600 bar. Higher pressures possible on request.

The high quality electronics ensures reliable conditioning; the measurement is carried out via a PT100 element. The ETP21H2 is ideally suited for use in test rigs and systems.

### Specifications

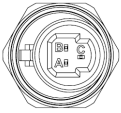

Accuracy	< +/- 1.0 % at RT	Vibration	16G peak, 20 to 2000 Hz
Output → Supply	4 - 20mA → 10-32 VDC 0.5 - 4.5 V → 5 VDC, ratiometric	Sealing	IP67
Current consumption	< 7.5mA	max. Operating pressure	M10, 600 bar static
Short circuit protection	Yes	Housing	316L stainless steel
Reverse voltage protection	Yes	Process connection	M10 x 1 Male
Temperature	-40°C to +125°C	Electr. connection	see select table
Shock	1000G, 11 msec., 1/2 Sine	Weight	appr. 30g

### Dimensions



# TEMPERATURE SENSOR FOR HYDROGEN APPLICATIONS ETP21H2

## Connections

Type		Output	PIN A	PIN B	PIN C	
 Connector Packard Metripack		0.5 - 4.5V	- supply	+ supply	+ output	
		4...20mA	- current output	+ supply	n./a.	
 M12 x 1 Round connector		0.5 - 4.5V	+ supply	n./a.	- supply	+ output
		4...20mA	+ supply	n.a.	- current output	n.a.
Cable		0.5 - 4.5V	red	black	white	
		4...20mA	+ supply	- supply	+ output	
		4...20mA	+ supply	- current output	n.a.	

## Ordering information

<b>Sample code</b>	ETP21H2 - M10 - -40/100 - 5 - A
<b>Series</b>	ETP21H2
<b>Process connection</b> See table below	M10
<b>Temperature</b>	-40/100
<b>Output signal</b>	5
<b>Elect. interface</b> See table below	A

Options	
Process connection	M10 = M10 x1 Male
Temperature	-40... to 100°C
Output signal	2 = 4... 20 mA      5 = 0.5...4.5V ratiometric
Electr. interface	A = 600mm cable      C= Connector, Packard metripack      F= M12 x1 Round connector

**Standard model:** ETP21H2 - M10 - -40/100 - 5 - C

The ETP21H2 series is backed by a 1 year warranty. The purchaser is responsible for compatibility of the media, functional and correct installation of the transmitter.

PITCH TECHNOLOGIES

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ETP21H2 Temperature sensor 02/24