



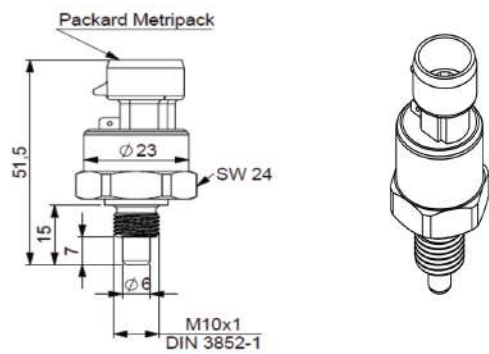
- High quality stainless steel alloy
- For hydrogen applications
- Compact and robust
- Long life and high performance

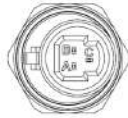
The ETP21H2 was specially designed for applications where hydrogen powered processes and other aggressive media, like pressurised gas or liquids, requires accurate and reliable temperature measurement. The compact design is very robust and offers high performance thanks to its high quality stainless 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
Output → Supply	4 - 20mA → 10-32 VDC 0.5 - 4.5 V → 5 VDC, ratiometric
Current consumption	< 7.5mA
Short circuit protection	Yes
Reverse voltage protection	Yes
Temperature	-40°C to +125°C
Shock	1000G, 11 msec., 1/2 Sine
Vibration	16G peak, 20 to 2000 Hz
Sealing	IP67
max. Operating pressure	M10, 600 bar static
Housing	316L stainless steel
Process connection	M10 x 1 Male
Electr. connection	see select table
Weight	appr. 30g

Dimensions



Connections						
Type						
	Connector Packard Metripack	Output	PIN A	PIN B	PIN C	
		0.5 - 4.5V	- supply	+ supply	+ output	
		4...20mA	- current output	+ supply	n./a.	
	M12 x 1 Round connector	Output	PIN 1	PIN 2	PIN 2	PIN 4
		0.5 - 4.5V	+ supply	n./a.	- supply	+ output
		4...20mA	+ supply	n.a.	- current output	n.a.
	Cable	Output	red	black	white	
		0.5 - 4.5V	+ supply	- supply	+ output	
		4...20mA	+ supply	- current output	n.a.	



Ordering information

(Please use the characters in the chart below to create your product code)

Sample Code	ETP21H2	-	M10	-	-40/100	-	5	-	A
Process Connection									
M10	M10 x1 Male								
Temperature									
-40....	bis 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.

If you require a customized solution for your program contact our sales team.

PITCH TECHNOLOGIES

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ETP21H2 Temperature sensor 08/24