

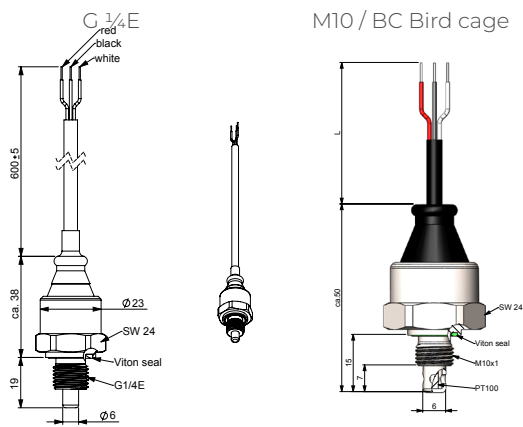


The ETP21 is specifically designed for applications that require an easy mountable and robust temperature sensor. Flexibility in design and available options provide solutions for most requirements of machine builders, special purpose vehicles and motor manufacturers. The measurement element is the well proven PT100.

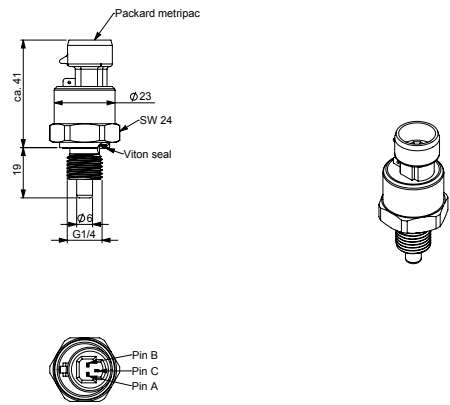
| Specifications             |                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------|
| Accuracy                   | < +/- 1.0% at RT                                                                                           |
| Output → Supply            | 0 - 10V → 12 - 32 VDC<br>0 - 5V → 6 - 32 VDC<br>4 - 20 mA → 10 - 32 VDC<br>0.5 - 4.5V → 5 VDC, ratiometric |
| Current consumption        | < 7.5 mA                                                                                                   |
| Short circuit protection   | Yes                                                                                                        |
| Reverse voltage protection | Yes                                                                                                        |
| Temperature                | -40°C to +150°C                                                                                            |
| Shock                      | 1000g, 11 msec., 1/2 Sine                                                                                  |
| Vibration                  | 16G peak, 20 to 2000 Hz                                                                                    |
| Sealing                    | IP67                                                                                                       |
| max. Operating pressure    | M10; G1/4: 600 bar static<br>BC: 60 bar static                                                             |
| Housing                    | 304 stainless steel                                                                                        |
| Process connection         | see select table                                                                                           |
| Electr. connection         | see select table                                                                                           |
| Weight                     | appr. 30g                                                                                                  |

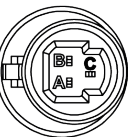
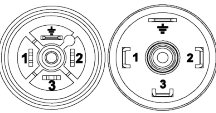


Dimensions Cable Connection



Dimensions Packard Connection



| Connections                                                                         |                                          |                                 |                  |                  |                  |          |
|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|------------------|------------------|------------------|----------|
| Type                                                                                |                                          |                                 |                  |                  |                  |          |
|  | Connector<br>Packard<br>Metripack        | Output                          | PIN A            | PIN B            | PIN C            |          |
|                                                                                     |                                          | 0.5 - 4.5V<br>0...5V<br>0...10V | - supply         | + supply         | + output         |          |
|                                                                                     |                                          | 4...20mA                        | - current output | + supply         | n./a.            |          |
|  | Miniature<br>connector<br>EN175301-803-C | Output                          | PIN 1            | PIN 2            | PIN 3            |          |
|                                                                                     |                                          | 0.5 - 4.5V<br>0...5V<br>0...10V | + supply         | -supply          | + output         |          |
|                                                                                     |                                          | 4...20mA                        | + supply         | -current output  | n./a.            |          |
|  | M12x1 round<br>connector                 | Output                          | PIN 1            | PIN 2            | PIN 3            | PIN 4    |
|                                                                                     |                                          | 0.5 - 4.5V<br>0...5V<br>0...10V | + Supply         | n./a.            | - Supply         | + Output |
|                                                                                     |                                          | 4...20mA                        | + Supply         | n./a.            | - Current output | n./a.    |
|                                                                                     | Cable                                    | Output                          | red              | black            | white            |          |
|                                                                                     |                                          | 0.5 - 4.5V<br>0...5V<br>0...10V | + 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 ETP21 - A - (-40/150) - 5 - A

|                    |                                           |
|--------------------|-------------------------------------------|
| Process connection |                                           |
| A                  | G 1/4" E A-E                              |
| M10                | M10x1 Male                                |
| BC                 | Bird cage with M10x1                      |
| Output Signal      |                                           |
| 1                  | 0...10 V                                  |
| 2                  | 4...20 mA                                 |
| 4                  | 0...4 V                                   |
| 5                  | 0.5...4.5 V ratiometric                   |
| Electr. Interface  |                                           |
| A                  | 600mm cable                               |
| B                  | Miniature - connector DIN EN 175301-803 C |
| C                  | Connector, Packard Metripack              |
| F                  | M12x1 4 Round connector                   |

Standard models: ETP21 - M10x1 - (-40/150) - 5-A  
ETP21 - A-(-40/150)-2-F

The ETP21 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.