



Sensors > Pressure Sensors > Board Mount Pressure Sensors > Medium Pressure Digital / Analog Sensor



Pressure Sensor Type: **Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules**

Pressure Type: **Gauge**

Proof Pressure Range: **25 psi**

Output Signal Type: **10 – 90% Vdc, 16 bit I2C**

Pressure Accuracy: **±1.5% F.S, ±1% F.S**

[All Medium Pressure Digital / Analog Sensor \(11\)](#)

Features

Product Type Features

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Sensor Package       | SOIC-10                                                                       |
| Pressure Sensor Type | Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules |
| Pressure Type        | Gauge                                                                         |

Electrical Characteristics

|                      |     |
|----------------------|-----|
| Supply Voltage Range | 3 V |
|----------------------|-----|

Dimensions

|                |                 |
|----------------|-----------------|
| Product Width  | 6.1 mm[.24 in]  |
| Product Length | 3.8 mm[.149 in] |
| Product Height | 9 mm[.354 in]   |

Usage Conditions

|                             |                          |
|-----------------------------|--------------------------|
| Operating Temperature Range | -20 – 85 °C[-4 – 185 °F] |
|-----------------------------|--------------------------|

Operation/Application

|                      |                          |
|----------------------|--------------------------|
| Output Interface     | I²C                      |
| Proof Pressure Range | 25 psi                   |
| Output Signal Type   | 10 – 90% Vdc, 16 bit I2C |



Pressure Accuracy

±1.5% F.S, ±1% F.S

Packaging Features

|                           |                 |
|---------------------------|-----------------|
| Sensor Port Configuration | Single Vertical |
|---------------------------|-----------------|

Other

|                |                        |
|----------------|------------------------|
| Sensor Options | Barb Tube, Dual Output |
|----------------|------------------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                           |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                     |

Product Compliance Disclaimer

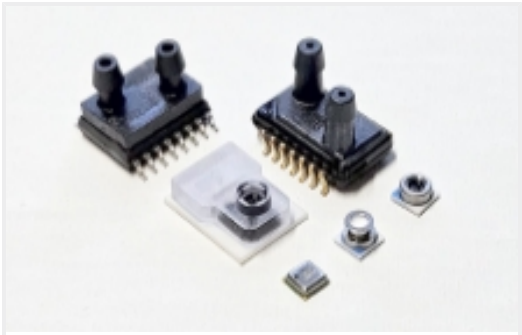
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts





Also in the Series | **SMI 4000**



[Board Mount Pressure Sensors\(8\)](#)

Customers Also Bought



TE Part #3-2176326-1  
[CRGP 0603 3K3 1%](#)



TE Part #6-1879354-5  
[RR03 5% 150R AMMO](#)



TE Part #1622500-1  
[LR1 1% 4K7](#)



TE Part #9-1676481-3  
[CPF 0603 62K 0.1% 25PPM 1K RL](#)



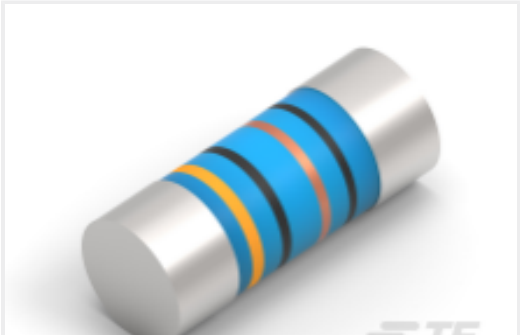
TE Part #2-1658527-0  
[622-1230LF=FSKT IDC S 12 30AU](#)



TE Part #6-1879354-7  
[RR03 5% 180R AMMO](#)



TE Part #5-103168-4  
[12 MODII HDR DRST SHRD .100CL](#)



TE Part #2-2176316-9  
[MELF SMA\\_A 22K 0.1% 15PPM 0207 1W](#)



TE Part #2213837-1  
[ASSEM., 40MM LUMAWISE  
ENDURANCE S](#)



TE Part #7-338069-6  
[MICRO-MATCH SMD FTE](#)

Documents

**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_4291-HGE-S-500-000\\_1.2d\\_dxf.zip](#)

English

**Customer View Model**





[ENG\\_CVM\\_CVM\\_4291-HGE-S-500-000\\_1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_4291-HGE-S-500-000\\_1.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

**Datasheets & Catalog Pages**

[SM4000SM1000](#)

English