



MEAS | SMI 9000

TE Internal #: 9236-BCE-S-600-000

Digital Pressure and Altimeter Sensor Modules, Gauge, 16 bit I2C, ±1.5% F.S Pressure Accuracy, Supply Voltage Range 3 V, SMI 9000

[View on TE.com >](#)

Sensors > Pressure Sensors > Board Mount Pressure Sensors > Ultra-low Pressure Digital Sensor



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

Pressure Type: **Gauge**

Proof Pressure Range: **.07 bar**

Output Signal Type: **16 bit I2C**

Pressure Accuracy: **±1.5% F.S**

[All Ultra-low Pressure Digital Sensor \(24\)](#)

## Features

### Product Type Features

Sensor Package	SOIC-16
Pressure Sensor Type	Digital Pressure and Altimeter Sensor Modules
Pressure Type	Gauge

### Electrical Characteristics

Supply Voltage Range	3 V
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### Dimensions

Product Width	10.31 mm[.405 in]
Product Length	10.26 mm[.403 in]
Product Height	9.32 mm[.366 in]

### Usage Conditions

Operating Temperature Range	-20 - 85 °C[-4 - 185 °F]
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### Operation/Application

Output Interface	I2C
Proof Pressure Range	.07 bar
Output Signal Type	16 bit I2C



Pressure Accuracy ±1.5% F.S

**Packaging Features**

Sensor Port Configuration Dual Vertical

**Other**

Sensor Options Barb Tube, No Option

**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	Out of Scope
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 9000



Board Mount Pressure Sensors(24)

## Customers Also Bought



TE Part # 3-647166-5  
PCB Header: Nylon, Vertical, Surface Mount, MTA 100



TE Part # 2305908-2  
SMT TB R/A HEADER, 5.0MM, 2 POS



TE Part # 9-1879208-6  
CPF 0402 91K 0.1% 25PPM 1K RL



TE Part # 1-1825006-3  
GDS0804=DIP SW,SLIDE,THRU/HL



TE Part # 3-2176090-8  
RP 1J 0.166W 316K 0.1% 25PPM 1K RL



TE Part # 5-2176330-9  
CRGP 2010 680K 1%



TE Part # 3-2176331-4  
CRGP 2512 5K6 1%



TE Part # 9233-BCE-S-250-000  
250PA DIFF. DIGITAL PRESSURE SENSOR



TE Part # CONSMA024-G  
SMA Jack 50 Ohm PCB Edge Mount

## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_9236-BCE-S-600-000\\_1.2d\\_dxf.zip](#)

[English](#)

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_9236-BCE-S-600-000\\_1.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_9236-BCE-S-600-000\\_1.3d\\_stp.zip](#)

English

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

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## Datasheets & Catalog Pages

[SM9000](#)

English