



MEAS | SMI 7000

TE Internal #: 7391-BCE-S-500-000

Digital Pressure and Altimeter Sensor Modules / Analog Pressure Sensor Modules, Differential, 2 inH2O, 3.75 mmHG, .29 psi [.005 bar], SMI 7000

[View on TE.com >](#)

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



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

Pressure Type: **Differential**

Pressure: **3.75 mmHG**

Proof Pressure Range: **1.5 psi**

[All Low Pressure Digital / Analog Sensor \(38\)](#)

Features

Product Type Features

Sensor Package	SOIC-16
Pressure Sensor Type	Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules
Pressure Type	Differential

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

Pressure	.005 bar[.29 psi]
Operating Temperature Range	-20 – 85 °C[-4 – 185 °F]

Operation/Application

Output Interface	I ² C
	2 inH2O
Pressure	3.75 mmHG



Proof Pressure Range	1.5 psi
Output Signal Type	10 – 90% Vdc, 16 bit I2C
Pressure Accuracy	±1% F.S, ±1.5% F.S

Packaging Features

Sensor Port Configuration	Dual Vertical
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Other

Sensor Options	Barb Tube, Dual Output
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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	Not Yet Reviewed
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

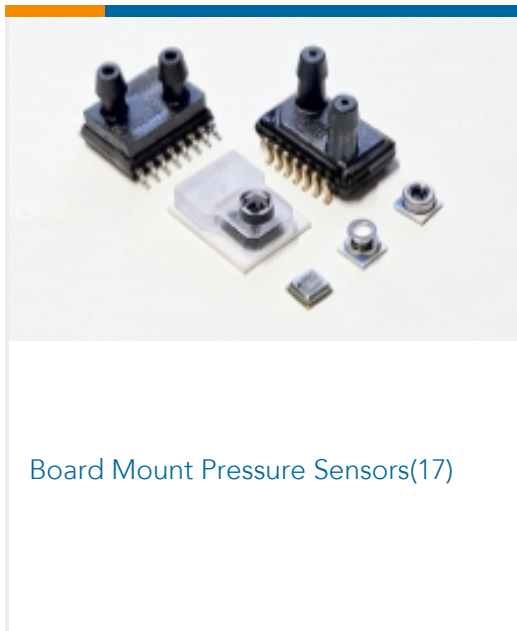
Product Compliance Disclaimer

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>

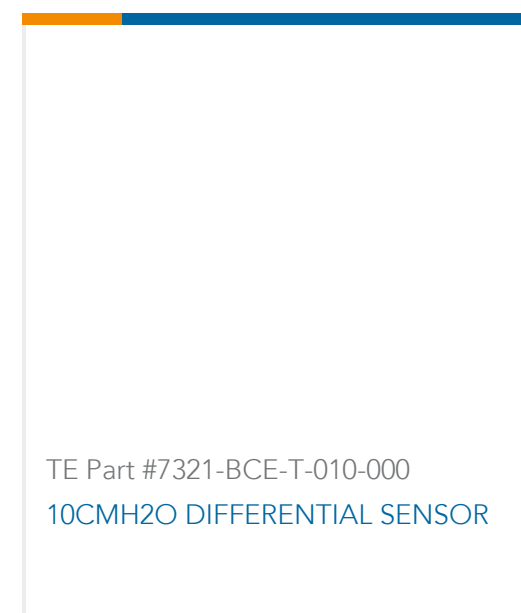
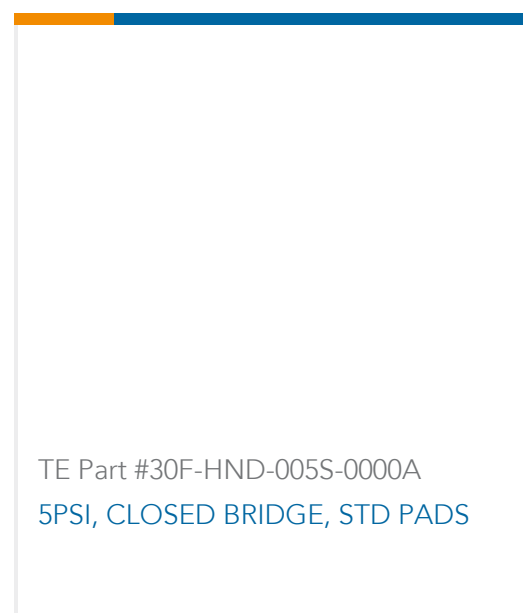
Compatible Parts



Also in the Series | SMI 7000



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_7391-BCE-S-500-000_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7391-BCE-S-500-000_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_7391-BCE-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

[SM7000SM6000SM5000](#)

English