SM5231-BCE-S-010.00-431

MEAS | SMI 5000

TE Internal #: 5231-BCE-S-010-000 Analog Pressure Sensor Modules / Digital Pressure and Altimeter Sensor Modules, Gauge, 1.45 psi, Output/Span 16 bit I2C, ±1.5% F. S / ±1% F.S, SMI 5000

View on TE.com >



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



Board Level Pressure Sensor Type: Analog Pressure Sensor Modules, Digital Pressure and Altimeter Sensor Modules

Board Level Pressure Sensor Style: Gauge

Proof Pressure Range: 15 psi

Pressure: [1.45 psi]

Output/Span: 16 bit I2C

All Low Pressure Digital / Analog Sensor (39)

Features

Product Type Features

Board Level Pressure Sensor Type

Analog Pressure Sensor Modules, Digital

	Pressure and Altimeter Sensor Modules
Board Level Pressure Sensor Style	Gauge
Configuration Features	
Tubes	Tube
Electrical Characteristics	
Board Level Pressure Sensor Supply Voltage	3.3 – 5 V
Dimensions	
Dimensions	10.26 x 10.31 mm[.40 x .41 in]
Usage Conditions	
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
Operation/Application	
Output Interface	² C
Proof Pressure Range	15 psi
	1.45 psi
Output/Span	16 bit I2C

& For support call+1 800 522 6752

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Board Level Pressure Sensor Accuracy	±1% F.S, ±1.5% F.S
Packaging Features	
Package Style	Dual Vertical
Board Level Pressure Sensor Package	SOIC-16
Other	
Sensor Options	Dual Output
Product Compliance	
For compliance documentation, visit the product page on TE.com>	
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	Compliant Not Yet Reviewed
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC	Not Yet Reviewed
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU	
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC	Not Yet Reviewed
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC China RoHS 2 Directive MIIT Order No 32, 2016	 Not Yet Reviewed No Restricted Materials Above Threshold Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219)
For compliance documentation, visit the product page on TE.com> EU RoHS Directive 2011/65/EU EU ELV Directive 2000/53/EC China RoHS 2 Directive MIIT Order No 32, 2016 EU REACH Regulation (EC) No. 1907/2006	 Not Yet Reviewed No Restricted Materials Above Threshold Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC

Product Compliance Disclaimer

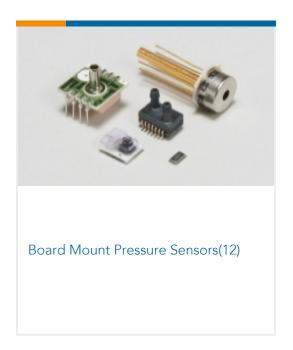
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

Also in the Series | SMI 5000

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Analog Pressure Sensor Modules / Digital Pressure and Altimeter Sensor Modules, Gauge, 1.45 psi, Output/Span 16 bit I2C, ±1.5% F.S / ±1% F.S, SMI 5000





Customers Also Bought



TE Part #5391-BCE-S-100-000 100 cmH20 Differential Sensor TE Part #HPP845E131R1 HTU21DF RH/T SENSOR IC B1500

Documents

CAD Files

Customer View Model ENG_CVM_CVM_5231-BCE-S-010-000_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5231-BCE-S-010-000_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_5231-BCE-S-010-000_1.3d_igs.zip

English

3D PDF

3D

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Datasheets & Catalog Pages SM7000SM6000SM5000

English