



MEAS | MEAS 89 Series

TE Internal #: 89BSD-006BA-A

TE Internal Description: 6 BARA 316L DIGITAL PRESSURE SENSOR

9MM DIGITAL OUTPUT PRESSURE SENSOR

[View on TE.com >](#)

Sensors > Pressure Sensors > Media Isolated Pressure Sensors > 9MM DIGITAL OUTPUT PRESSURE SENSOR



Media Isolated Pressure Sensor Type: **Media Isolated Digital Output Pressure Sensors**

Media Isolated Pressure Sensor Style: **Absolute**

Output/Span: **24 bit ADC**

Media Isolated Pressure Sensor Accuracy: **± 3 %**

Media Isolated Pressure Sensor Supply Voltage: **3 V**

[All 9MM DIGITAL OUTPUT PRESSURE SENSOR \(17\)](#)

**Features**

**Product Type Features**

Media Isolated Pressure Sensor Type	Media Isolated Digital Output Pressure Sensors
Media Isolated Pressure Sensor Style	Absolute

**Configuration Features**

Interface	I <sup>2</sup> C
Pressure Port/Fitting	Weldable (5/16-32 UNEF-3A Thread)

**Electrical Characteristics**

Supply Current	.0125 mA
Media Isolated Pressure Sensor Supply Voltage	3 V

**Dimensions**

Dimensions	Dia 9.04 x 7.5 mm [Dia .356 x .29 in]
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**Usage Conditions**

Total Error Band	± 2 %
Operating Temperature Range	-40 – 85 °C [-40 – 185 °F]

**Operation/Application**

Proof Pressure Range	2X
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Output/Span	24 bit ADC
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Media Isolated Pressure Sensor Accuracy	± 3 %
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### Packaging Features

Media Isolated Pressure Sensor Package	Threaded Process Fittings, Weldable
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Yet Reviewed for halogen content
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Solder Process Capability	Not reviewed for solder process capability
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#### 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 | **MEAS 89 Series**



Media Isolated Pressure Sensors(26)

## Customers Also Bought



TE Part #5-1676966-5  
SMW2 18R 5%



TE Part #5-102095-4  
MOD IV PIN PLTD SN LF



TE Part #89BSD-012BS-A  
PRESS,ISO,THRD CAPSULE,NO FTG



TE Part #1878663-5  
QCC311RD



TE Part #1878662-5  
QCC311BR



TE Part #1878663-3  
QCC311OR



TE Part #20024651-00  
GND02A42SM



TE Part #20024651-01  
GND10A42SM

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_89BSD-006BA-A\\_C1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_89BSD-006BA-A\\_C1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_89BSD-006BA-A\\_C1.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

89BSD

English

