

Pressure Transducers Readily Available



MEAS | MEAS KPSI 27
TE Model # CAT-PTT0000
TE Internal #: CAT-PTT0000
[View on TE.com >](#)

Sensors > Pressure Sensors > Pressure Transducers

Pressure transducers are available in various pressure ranges, outputs and packages.



Pressure Transducers in Stock.

TE Connectivity (TE) manufactures a variety of pressure transducers for various applications and industries. For customers that have a more immediate need for products in inventory or those early in the design stage of a project, TE offers products in stock through various channel distribution partners. These are popular, standard configurations to compliment our customization capability.

Features

Product Type Features

Sensor Type	Differential Pressure Transducer, Industrial Pressure Transducers, Liquid Level Pressure Transducers, Low Cost Pressure Transducers, Miniature Pressure Transducers, Wireless Pressure Transducers
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Type	Absolute, Differential, Gage
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Configuration Features

Electrical Connection	Cable 1 ft, Cable 1 m, Cable 10 ft, Cable 15 ft, Cable 2 ft, Cable 20 ft, Cable 3 ft, Cable 4 ft, Cable 5 ft, Cable 5 m, Custom Cable Length, Form C with Mating Connector, Packard
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Pressure Port/Fitting	1/2 MNPT, 1/4 FNPT, 1/4 MBSPP, 1/4 MNPT, 1/4-18 NPT, 1/4-19 BSPP, 1/4-19 BSPT, 1/8 MNPT, 7/16-20 UNF Female with Integral Valve, 7/8-20 UNEF Male with Polyoxymethylene Cap, G1/4 BS5380 Male, M10x1 Male, O-Ring Face Seal, O-Ring Radial Seal
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Electrical Characteristics

Supply Voltage (V)	10, 12 - 30, 2.7 - 5, 3, 4.75 - 5.25, 5, 8 - 30, 9
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	- 28, 9 - 30
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Body Features

Port Material	17-4PH, 316L, PVC, Stainless Steel
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Dimensions

Dimensions (mm)	12.7 x 24.38 x 20.32, 22.23 x 22.23 x 55.88, 22.25 x 22.25 x 45.72, 22.25 x 22.25 x 53.34, 24 x 24 x 69, 24 x 24 x 82, 25.4 x 58.4 x 72, 26.7 x 26.7 x 50, Dia 11, Dia 28.6
Dimensions (in)	.5 x .96 x .8, .87 x .87 x 2.2, .875 x .875 x 1.8, .875 x .875 x 2.1, .94 x .94 x 2.71, .94 x .94 x 3.23, .99 x 2.3 x 2.83, 1.05 x 1.05 x 1.97, Dia .433, Dia 1.12

Usage Conditions

Pressure (bar)	.14, .35, 1, 2, 3.5, 7, 10, 14, 16, 20, 30, 35, 60, 70, 100, 250, 350
Pressure (psi)	1, 2, 5, 10, 15, 25, 30, 50, 100, 150, 200, 250, 300, 500, 1000, 3000, 5000, 10000
Operating Temperature Range (°C)	-40 - 125, -40 - 125, -20 - 60, -20 - 70, -20 - 85, -10 - 60, 0 - 55
Operating Temperature Range (°F)	-40 - 257, -40 - 257, -4 - 140, -4 - 158, -4 - 185, 14 - 140, 32 - 131

Operation/Application

Overpressure	1.5X Rated, 2X Rated, 3X Rated, 3X, 10X Rated
Pressure Range	0 - 10 bar, 0 - 100 bar, 0 - 10000 psi, 0 - 16 bar, 0 - 20 bar, 0 - 250 bar, 0 - 250 psi, 0 - 500 psi, 0 - 5000 psi, 0 - 60 bar, 0 - 7 bar
Output/Span	.5 - 4.5 V, 0 - 10 V, 0 - 100 mV, 1 - 5 V, 14-bitADC I2C, 14-bitADC SPI, 24-bitADC I2C, 4 - 20 mA
Accuracy	Down to ± .1% FSO, Down to ± .1% Span, ±0.1% FSO, ±0.1% Span, ±0.25% FSO, ±0.25% Span, ±0.5% Span, ±1% Span

Other

Options	Adhesive Label, Lightning Protection, No Snubber, Without Sleep Mode
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 5)



PRESS XDCR U5600-00000E-020BA

PRESS XDCR U5600-00000E-007BA

PRESS XDCR M3041-000006-01KPG

PRESS XDCR M5600-000005-05KPG

TE Model / Part #	10202027-00	10202026-00	M3041-000006-01KPG	M5600-000005-05KPG
Sensor Type	Wireless Pressure Transducers	Wireless Pressure Transducers	Industrial Pressure Transducers	Wireless Pressure Transducers
Pressure Range				
Pressure	20 bar	7 bar	1000 psi	5000 psi
Output/Span	24-bitADCI2C	24-bitADCI2C	0 - 100 mV	24-bitADCI2C
Type	Absolute	Absolute	Gage	Gage
Accuracy	±0.1% FSO	±0.1% FSO	±1% Span	±0.25% FSO
Supply Voltage	3 V	3 V	5 V	3 V
Operating Temperature Range	-20 - 85 °C	-20 - 85 °C	-20 - 85 °C	-20 - 85 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS U5600	MEAS U5600	MEAS MSP300	MEAS M5600

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

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Products (2 of 5)



PRESS XDCR M3051-000005-05KPG



PRESS XDCR M5600-00000E-020BG



PRESS XDCR M3041-000005-05KPG



PRESS XDCR D5154-000005-005PD

TE Model / Part #	M3051-000005-05KPG	10202003-00	M3041-000005-05KPG	D5154-000005-005PD
Sensor Type	Industrial Pressure Transducers	Wireless Pressure Transducers	Industrial Pressure Transducers	Differential Pressure Transducer
Pressure Range				
Pressure	5000 psi	20 bar	5000 psi	5 psi
Output/Span	0 - 100 mV	24-bitADC12C	0 - 100 mV	4 - 20 mA
Type	Gage	Gage	Gage	Differential
Accuracy	±1% Span	±0.25% FSO	±1% Span	Down to ± .1% Span
Supply Voltage	5 V	3 V	5 V	10 V
Operating Temperature Range	-20 - 85 °C	-20 - 85 °C	-20 - 85 °C	-40 - 125 °C, -40 - 125 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS MSP300	MEAS M5600	MEAS MSP300	MEAS D5100

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Products (3 of 5)



PRESS XDCR M3041-000005-500PG



PRESS XDCR U5244-000005-005PG



PRESS XDCR MS1S1-00000J-250PG



PRESS XDCR M3041-000005-2K5PG

TE Model / Part #	M3041-000005-500PG	U5244-000005-005PG	10201889-00	M3041-000005-2K5PG
Sensor Type	Industrial Pressure Transducers	Industrial Pressure Transducers	Industrial Pressure Transducers	Industrial Pressure Transducers
Pressure Range				
Pressure	500 psi	5 psi	250 psi	5 psi
Output/Span	0 - 100 mV	1 - 5 V	14-bitADCSPI	0 - 100 mV
Type	Gage	Gage	Gage	Gage
Accuracy	±1% Span	Down to ± .1% FSO	±0.5% Span	±1% Span
Supply Voltage	5 V	8 - 30 V	2.7 - 5 V	5 V
Operating Temperature Range	-20 - 85 °C	-40 - 125 °C, -40 - 125 °C	0 - 55 °C	-20 - 85 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	EU ELV Compliant with Exemptions	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS MSP300	MEAS U5200	MEAS MSP100	MEAS MSP300

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Products (4 of 5)



PRESS XDCR M3041-000006-250PG



PRESS XDCR M5600-000005-300PG



PRESS XDCR M3051-000005-250PG



PRESS XDCR M3031-000005-100PG

TE Model / Part #	M3041-000006-250PG	M5600-000005-300PG	M3051-000005-250PG	M3031-000005-100PG
Sensor Type	Industrial Pressure Transducers	Wireless Pressure Transducers	Industrial Pressure Transducers	Industrial Pressure Transducers
Pressure Range				
Pressure	250 psi	300 psi	250 psi	
Output/Span	0 - 100 mV	24-bitADCI2C	0 - 100 mV	0 - 100 mV
Type	Gage	Gage	Gage	Gage
Accuracy	±1% Span	±0.25% FSO	±1% Span	±1% Span
Supply Voltage	5 V	3 V	5 V	5 V
Operating Temperature Range	-20 - 85 °C	-20 - 85 °C	-20 - 85 °C	-20 - 85 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS MSP300	MEAS M5600	MEAS MSP300	MEAS MSP300

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Products (5 of 5)



PRESS XDCR M3021-000005-100PG



PRESS XDCR MS1J1-00000U-250PG



PRESS XDCR M3041-000005-250PG



PRESS XDCR M3051-000005-100PG

TE Model / Part #	M3021-000005-100PG	10201888-00	M3041-000005-250PG	M3051-000005-100PG
Sensor Type	Industrial Pressure Transducers	Industrial Pressure Transducers	Industrial Pressure Transducers	Industrial Pressure Transducers
Pressure Range				
Pressure	100 psi	250 psi	250 psi	100 psi
Output/Span	0 - 100 mV	14-bitADCI2C	0 - 100 mV	0 - 100 mV
Type	Gage	Gage	Gage	Gage
Accuracy	±1% Span	±0.5% Span	±1% Span	±1% Span
Supply Voltage	5 V	2.7 - 5 V	5 V	5 V
Operating Temperature Range	-20 - 85 °C	0 - 55 °C	-20 - 85 °C	-20 - 85 °C
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions	EU RoHS Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	MEAS	MEAS	MEAS	MEAS
Series	MEAS MSP300	MEAS MSP100	MEAS MSP300	MEAS MSP300

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Related Materials

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[KPSI 27](#)
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