

MSI SENSORS Pressure Sensors

MODEL 1451: SURFACE MOUNT PRESSURE SENSOR

Features:

- ±0.25% Non-linearity Accuracy
- Low Power
- Solid State Reliability
- Low Cost
- 0-60 mV Output

Applications:

- Altitude Measurement
- Medical Instrumentation
- Barometric Pressure
- Consumer Appliances

Surface Mount w/ tube pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1451-005G-T	1451-005G-T	A	0-5psig	Gauge	23.40	22.46	21.76
824-1451-015G-T	1451-015G-T	A	0-15psig	Gauge	23.40	22.46	21.76
824-1451-015A-T	1451-015A-T	A	0-15psia	Absolute	23.40	22.46	21.76
824-1451-030A-T	1451-030A-T	A	0-30psia	Absolute	23.40	22.46	21.76
824-1451-030G-T	1451-030G-T	A	0-30psig	Gauge	23.40	22.46	21.76
824-1451-100G-T	1451-100G-T	A	0-100psig	Gauge	23.40	22.46	21.76
824-1451-100A-T	1451-100A-T	A	0-100psia	Absolute	23.40	22.46	21.76

MODEL 1210: PCB MOUNT PRESSURE SENSOR

Features:

- Dual-In-Line Package
- 0°C to +50°C Compensated Temp. Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:

- Process Control
- Medical Instrumentation
- HVAC
- Barometric Pressure
- Air Flow Management
- Avionics

Board mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1210A-001D-3L	1210A-001D-3L	B	0-1psid	Differential	56.16	53.91	52.22
824-1210A-002D-3L	1210A-002D-3L	B	0-2psid	Differential	29.25	28.08	27.20
824-1210A-005D-3L	1210A-005D-3L	B	0-5psid	Differential	29.25	28.08	27.20
824-1210A-005A-3L	1210A-005A-3L	B	0-5psia	Absolute	29.25	28.08	27.20
824-1210A-015D-3L	1210A-015D-3L	B	0-15psid	Differential	29.25	28.08	27.20
824-1210A-015A-3L	1210A-015A-3L	B	0-15psia	Absolute	29.25	28.08	27.20
824-1210A-030A-3L	1210A-030A-3L	B	0-30psia	Absolute	29.25	28.08	27.20
824-1210A-100D-3L	1210A-100D-3L	B	0-100psid	Differential	29.25	28.08	27.20
824-1210A-100A-3L	1210A-100A-3L	B	0-100psia	Absolute	29.25	28.08	27.20

MODEL 1230: ULTRASTABLE PRESSURE SENSOR

Features:

- Dual-In-Line Package
- 20°C to +85°C Compensated Temp. Range
- ±0.1% Non-linearity Accuracy
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:

- Medical Instrumentation
- Calibration
- Process Control
- Factory Automation
- Air Flow Management
- Leak Detection

Ultra-stable board mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1230-015D-3L	1230-015D-3L	B	0-15psid	Differential	37.44	35.94	34.81
824-1230-015A-3L	1230-015A-3L	B	0-15psia	Absolute	37.44	35.94	34.81
824-1230-030D-3L	1230-030D-3L	B	0-30psid	Differential	38.90	37.34	36.17
824-1230-030A-3L	1230-030A-3L	B	0-30psia	Absolute	38.90	37.34	36.17
824-1230-100A-3L	1230-100A-3L	B	0-100psia	Absolute	38.90	37.34	36.17

MODEL 13: LOW/MEDIUM PRESSURE SENSORS

Features:

- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:

- Process Control
- Air Flow Management
- Process Control
- Air Flow Management

Board mount w/ top pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-13A-001G	13A-001G	C	0-1psig	Gauge	93.60	89.85	87.04
824-13A-005G	13A-005G	C	0-5psig	Gauge	93.60	89.85	87.04
824-13A-015G	13A-015G	C	0-15psig	Gauge	93.60	89.85	87.04

MODEL MSP300: STAINLESS STEEL ISOLATED PRESSURE TRANSDUCER

Features:

- One-Piece Stainless Steel Construction
- Ranges up to 10000 PSI or 700 BAR
- Millivolt or Amplified Outputs
- Excellent Accuracy
- Wide Operating Temperature Range

Specifications:

- Operating Temperature Range: -4 to 185°F
- Compensated Temperature Range: 30 to 130°F

Applications:

- Pumps and Compressors
- Hydraulic/Pneumatic Systems
- Automotive Test Systems
- Energy and Water Management
- Pressure Instrumentation
- Refrigeration - Freon and Ammonia Based
- Agriculture - Sprayers and Dusters

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Output	Description	Price Each		
					1	10	25
824-MSP30001KP3N1	MSP-300-01K-P-3-N-1	D	0.5-4.5V output	0-1000 psig	117.00	108.81	105.30
824-MSP30005KP5N1	MSP-300-05K-P-5-N-1	D	4-20mA output	0-5000 psig	130.00	120.90	117.00
824-MSP300100P2N1	MSP-300-100-P-2-N-1	D	0-100mV output	0-100 psig	91.00	84.63	81.90
824-MSP300100P3N1	MSP-300-100-P-3-N-1	D	0.5-4.5V output	0-100 psig	117.00	108.81	105.30
824-MSP300100P4N1	MSP-300-100-P-4-N-1	D	1-5V output	0-100 psig	124.00	115.32	111.60
824-MSP300100P5N1	MSP-300-100-P-5-N-1	D	4-20mA output	0-100 psig	130.00	120.90	117.00
824-MSP30010KP4N1	MSP-300-10K-P-4-N-1	D	1-5V output	0-10000psi	168.71	154.12	141.67
824-MSP30010KP5N1	MSP-300-10K-P-5-N-1	D	4-20mA output	0-10000psi	135.00	130.90	127.00
824-MSP300250P2N1	MSP-300-250-P-2-N-1	D	0-100mV output	0-250 psig	106.37	102.63	99.42
824-MSP300250P5N1	MSP-300-250-P-5-N-1	D	4-20mA output	0-250 psig	130.00	120.90	117.00
824-MSP3002K5P4N1	MSP-300-2K5-P-4-N-1	D	1-5V output	0-2500 psig	124.00	115.32	111.60
824-MSP300500P2N1	MSP-300-500-P-2-N-1	D	0-100mV output	0-500 psig	91.00	84.63	81.90
824-MSP300500P3N1	MSP-300-500-P-3-N-1	D	0.5-4.5V output	0-500 psig	117.00	108.81	105.30

DIMENSIONS: in.

A

B

C

D

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