

# Pressure Sensors



## FX1901 SERIES: COMPRESSION LOAD CELLS

### Features:

- Ultra Low Cost High Reliability Design for OEM, Appliance and Medical Applications
- Compression Ranges: 10, 25, 50, 100 lbf
- Compact Coin Cell Package
- Anti-rotation Mounting Features
- Low Cost Connectors Available

### Applications:

- Assembly Forces
- Physical Therapy Devices
- Patient Weight
- Hand Tool Forces
- Chiropractic and Exercise Equipment
- Consumables Monitoring: Copy Equipment and Vending Systems
- Appliance Payload Monitoring: Washer, Dryers, Water Weight, Extraction Efficiency
- Appliance Unbalance Monitoring

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Output	Range	Price Each		
					1	10	25
824-FX19-0-100010010	FX19-0-1-0001-0010	A	20 mV/V FSO	10 Lbf	30.00	28.19	27.36
824-FX19-0-100010025	FX19-0-1-0001-0025	A	20 mV/V FSO	25 Lbf	30.00	28.19	27.36
824-FX19-0-100010050	FX19-0-1-0001-0050	A	20 mV/V FSO	50 Lbf	30.00	28.19	27.36
824-FX19-0-100010100	FX19-0-1-0001-0100	A	20 mV/V FSO	100 Lbf	30.00	28.19	27.36



## ARES SERIES: LOW PRESSURE TRANSDUCERS

### Features:

- Very Low Pressure Ranges
- Solder Reflow Capability
- Barbed Pressure Ports
- PCB Mounted
- Dry/Dry Differential Transducer
- Built in ASIC for Amplified Output
- 0.5V-4.5V output

### Applications:

- HVAC
- Medical Equipment
- Environmental Controls
- Portable Monitors
- Volume OEM Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Accuracy FSO	Price Each		
					1	10	25
824-GA100-015WD	GA100-015WD	B	0-15" water	0.50%	38.90	37.34	36.17
824-GA100-001PD	GA100-001PD	B	0-1psi	0.75%	38.90	37.34	36.17



## ACCELEROMETERS

### Features:

- ACH-01
- Wide Frequency Response
- Wide Dynamic Range
- Ultra-Low Power
- Low Transverse Sensitivity

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
824-ACH-01-03/10	ACH-01-03/10	C	Single-axis accelerometer with 40" coax cable and female connector	38.47	36.04	33.79
824-ACH-01-04/10	ACH-01-04/10	D	Single-axis accelerometer with 12" wire	25.00	24.00	22.50



## LDT VIBRATION SENSORS

### Features:

- Rugged, Flexible PVDF Piezo Polymer film
- Excellent Dynamic Range
- Laminated for higher voltage output
- Added mass for Alternative Frequency Response (LDTM-028K/L and LDTVC)
- Robust, solderable lead attachment.

### Applications:

- Vibration Sensor
- Flexible Switch
- Impact Sensing
- Anti-theft Alarm
- Appliance Monitoring
- Vehicle Motion Sensor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
824-LDT0-028K/L	LDT0-028K/L	E	Vibration sensor with crimps	2.33	2.17	1.93
824-LDTM-028K	LDTM-028K	E	Vibration with mass and crimps	2.43	2.25	2.11
824-LDTC-VERT	LDTC-VERTICAL	E	Vibration with vertical solder pins	3.00	2.73	2.48



## ACCUSTAR® ELECTRONIC CLINOMETERS

### Single Axis Features:

- CE certified
- Rugged plastic housing
- Extremely Accurate
- Linear Range: +/- 45°
- Supply Voltage: +5V DC to +15V DC

### Dual Axis Features:

- New microprocessor-based electronics
- Two clinometers in one package
- Adaptable design DC powered
- Ratiometric and PW digital output
- Trimmable outputs
- Linear Range: +/- 15°
- Supply Voltage: +5V DC to +15V DC

For quantities greater than listed, call for quote.

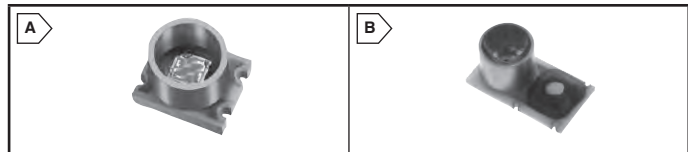
MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
<b>Single Axis</b>						
824-02110002-000	02110002-000	F	Ratiometric Vertical Flange	162.50	159.20	157.85
<b>Dual Axis</b>						
824-02119011-000	02119011-000	G	Clinometer with case	140.91	136.75	131.89
824-09-01-1061A	09-01-1061A	--	Mating Molex connector	4.20	4.12	4.03



## EPCOS PRESSURE SENSORS

### Features:

- Analog ratiometric interface with adjustable output limits (clipping) or digital 14 bit PC interface
- Diagnosis functions like loss of Vdd/Vss, bridge connections and short cuts
- High immunity against electromagnetic influences
- Plastic free surface mount technology for reflow soldering



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	Pressure Type	Rated Pressure Range	Output Signal	Pressure Feed	Price Each		
							1	5	10
871-Z25000Z1249Z002	Z25000Z1249Z001-ASB1200VRTNH19	A	Absolute	17.4psi	0.1-0.9 V/V	Reserved	14.99	13.55	12.32
871-Z25000Z1249Z001	Z25000Z1249Z001-ASB1200V1TNH19	A	Absolute	17.4psi	0-1 V	Reserved	14.99	13.55	12.32
871-Z25000Z1249Z003	Z25000Z1249Z001-ASR0.400VRTNH30	B	Gauge	5.8psi	0.1-0.9 V/V	Reserved	16.99	15.10	13.73
871-Z25000Z1249Z004	Z25000Z1249Z001-ASR0.400V1TNH30	B	Gauge	5.8psi	0-1 V	Reserved	16.99	15.10	13.73