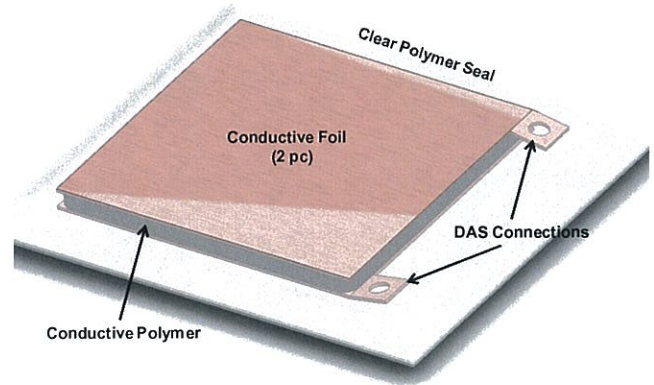




MODEL FS-E1-M2 (static) or FS-M2 (dynamic)
THIN PROFILE FORCE SENSOR



SENSOR ASSEMBLY

Note: Uses SensorTech load cell signal conditioning module.

Applications: Low profile locations requiring force measurements; low cost alternative to piezo-electric load cells where both static and dynamic measurements are needed; low mechanical force measurements needed to supplement higher mechanical force load cells.

Key Features: High speed response suitable for dynamic applications; high full scale capacity relative to sensor size; compatible to use in combination with other load cells; thin profile minimizes off-axis loading issues; IP69K compliant; low energy draw; 2-yr. limited warranty, works well with standard DAS or LabView software.

SPECIFICATIONS

LOAD CELL

Full Scale Capacity:	2,500 psi (17.2 Mpa)
Overload Protection:	12,000 psi (82.7 Mpa)
Zero Balance:	± 0.025%
Non-Linearity:	± 0.4%
Repeatability:	± 0.1%
Hysteresis:	<± 0.5%
Temperature Range:	-25°F to 160°F (-32°C to 71°C)
Force Resolution:	±.025% @ 50% FS & ± 0.15% @ 100% FS
Standard size:	1"W x 1"L x 0.07" (25.4 mm x 25.4 mm x 1.8 mm) and custom sizes available

CONDITIONING MODULE

Supply Voltage:	15-30VDC
Output:	4-20mA
A/D and D/A:	12-Bit
Display Linearity:	0.5 lb
Signal Bandwidth:	750 Hz
Passband flatness:	±0.2 db
Temp Range:	-104°F to 185°F
Input-to-Output Delay:	400 ± 20 µs