



MODEL ST-FS-M1  
**SECURITY TAPE FORCE SENSOR**

**SENSOR ASSEMBLY**

**Note:** Functions as a switch or sensor.

**Applications:** Security alarm or facility/automation controls. Applies to virtually any cylindrical object to detect contact force.

**Key Features:** Hermetically sealed; low energy draw; compatible with standard low voltage security electronics; 2-yr. limited warranty

**SPECIFICATIONS**

Full Scale Capacity:	2,000 PSI (13.8 Mpa)
Overload Protection:	10,000 PSI (68.9 Mpa)
Standard Size:	.03" thick x 1.0" wide x 10 ft to 100 ft rolls (7.6mm x 25.4mm x 3 to 30 meters)
Zero Balance:	± 0.1%
Non-Linearity:	Non-linear output (polynomial fit)
Repeatability:	± 0.3%
Hysteresis:	± 5% (uncorrected)
Temperature Range:	-25°F to 140°F (-32°C to 60°C)
Force Resolution:	±0.004% @ 0% Full Scale
Sensitivity:	400 mV/V
Current for switching circuit:	5V, 0.125A (continuous); 1A (momentary)