

Technical Data Sheet (Model #B101)

This data sheet provides technical performance characteristics for FlexiForce™ Sensors.

Actual Size

Physical Properties

Thickness	0.005" (0.127 mm)
Length	9.000" (228.6 mm) End-to-end
Width	0.625" (15 mm)
Active <i>sensing</i> area	0.375" (10 mm) Diameter
Connector	None

Standard Force Ranges Available (Custom ranges quoted upon request)

B101 - L	1 lb. - 25 lb. force
B101 - M	25 lb. - 150 lb. force
B101 - H	150 lb. - 1,000 lb. force

Typical Performance

		<u>Evaluation Conditions</u>
Linearity (Error)	< ±5%	Line drawn from 0 to 50% load
Repeatability	< ±2.5% of Full Scale	Conditioned Sensor, 80% of Full Force Applied
Hysteresis	< 4.5 % of Full Scale	Conditioned Sensor, 80% of Full Force Applied
Drift	< 3%/logarithmic time	Constant Load (25 lb.)
Rise Time	< 20 µsec	Impact load - recorded on Oscilloscope
Operating Temperature	15°F - 140°F (-9°C - 60°C)*	

* Force reading change per degree of temperature change = ±0.2% / °F (0.36%/°C)
 For loads less than 10lb., the operating temperature can be increased to 165°F (74°C)

