



PRODUCT NAME : FlexiForce A401 Sens
or - 25 lbs

PRICE : Rs 1,499.00
SKU : RM2902



DESCRIPTION

Description:

The A401 has a 2-pin connector. This is our standard sensor with the largest sensing area: 25.4 mm (1 in.). A401 sensors are available in one force range: 111 N (0 - 25 lb).* The force ranges stated are approximations. The dynamic range of this large force sensor can be modified by changing the drive voltage and adjusting the resistance of the feedback resistor.

Typical Performance

Linearity (Error): < $\pm 3\%$ of Full Scale (Line drawn from 0 to 50% load)

Repeatability: < $\pm 2.5\%$ (Conditioned Sensor, 80% of Full Force Applied)

Hysteresis: < 4.5 % of Full Scale (Conditioned Sensor, 80% of Full Force Applied)

Drift: <5% / logarithmic time (Constant Load of 25 lb (111 N))

Response Time: < 5 μ sec (Time required for the sensor to respond to an input force; Impact load - recorded on Oscilloscope)

Operating Temperature: -40°C - 60°C (-40°F - 140°F)*

* Force reading change per degree of temperature change = 0.36%/°C ($\pm 0.2\%$ /°F)

Specifications:

Force Sensor Length: 56.9 mm

Sensing Size (Diameter/Width): 25.4 mm

Standard Force: 111 N

31138 N

Temperature Range (Low): -40 °C

Temperature Range (High): 60 °C

Notes: Large sensing area