



**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  $\mu\text{sec}$  (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