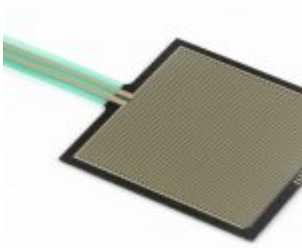


Interlink Electronics 1.5" Square 20N FSR



Product Description

The Interlink Force Sensing Resistor uses a 1.5" (12.7mm) square pad to sense applied force.

Force Sensing Resistors (FSRs) are very thin, robust, polymer thick film (PTF) devices that decrease in resistance when increased pressure is applied to the surface of the sensor. FSRs are not a load cell or strain gauge devices though they have many similar properties.

They are more appropriate for qualitative rather than precision measurements.

Product Specifications

Sensor Properties

| Sensor Type | Force Sensitive Resistor |
|-----------------------------|--------------------------|
| Force Min | 1 N |
| Force Max | 100 N |
| Pressure Min | 10.3 kPa |
| Pressure Max | 1 MPa |
| Repeatability Error Max | ± 2 % |
| Hysteresis Max | 10 % |
| Long-Term Drift Max | 5 % |
| Response Time Max | 3 ?s |
| Temperature Sensitivity Max | 0.15 % per °C |

Physical Properties

| | |
|---------------------------|-----------------------|
| Sensing Area | 14.5 cm ² |
| Lifespan | 10 million actuations |
| Operating Temperature Min | -30 °C |
| Operating Temperature Max | 70 °C |