

Current Sensors

What is It?

Sensor: a hardware device which detects or measures a physical property. Sensors can provide analog or digital feedback.

Current Sensors can be used to measure DC, AC, and AC leakage current. Ours are for AC applications.



Target Rich Applications:

- AC Conditioning
- PEHV Chargers
- Smart Meters
- Home Appliances



CT Series Low Current AC



C/CT Series High Current AC Snap-On Type



ZCT Series Zero-Phase Current Transformers



RoHS Compliant



Country of Origin:
Vietnam

Device Features

CT Series

- High sensitivity
- Compact and lightweight
- Mountable on printed circuit boards

ZCT Series

- High sensitivity
- Compact and lightweight
- Laminated iron core

C/CT Series

- Compact and slim design
- Flat temperature characteristics
- Flame retardant



Segments

- Industrial
- White Goods (Refrigerator, Inductive Cooking, Air Conditioning)
- Automotive
- Medical



www.kemet.com/current-sensors



Thermal Sensors

What is It?

Sensor: a hardware device which detects or measures a physical property. Sensors can provide analog or digital feedback.

Thermal Sensors are usually employed to shut down electrical equipment when a specific temperature is exceeded.

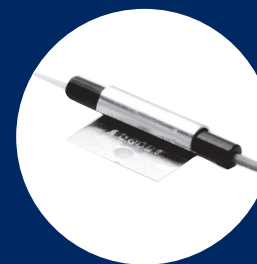


Target Rich Applications:

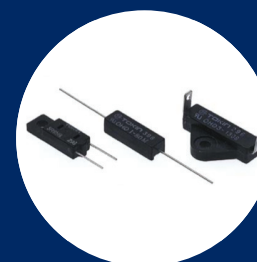
Home
Appliances



TRS™ Series



OHD™ Series



RoHS Compliant



Country of Origin:
Japan or China

Device Features



- Curie temperature does not vary over time.
- Stable against moist or hazardous gas.
- Precision & reliability stand the TRS™ devices apart from Bimetallic switches.
- OHD™ are usable with low (0.1mW) signal up to high power (6W) level.
- No-control circuit needed.

Segments

- Industrial
 - Power Supply
- Consumer
 - Power Supply
- Automotive



Note: Electrical Mains switching sensors are usually required to carry an approval certificate

www.kemet.com/thermal-sensors



Piezo Actuators

What is It?

Piezo Actuators convert electrical energy into mechanical movement. They can be moved very precisely.



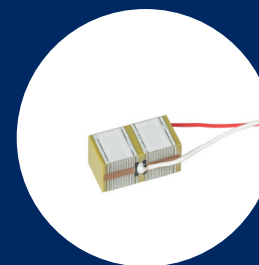
Target Rich Applications:

- Precision Stepper Motors
- Electron Microscopes
- Mass Flow Controllers
- Tunable Filters
- Semiconductor Manufacturing



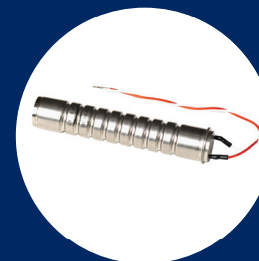
AE Series

Resin Coated 85°C



ASB Series

Metal Sealed 85°C



RoHS Compliant



Country of Origin:
Japan

Device Features



- Precise & Ultra fast response
- High Reliability
- Space-saving designs
- Large generation of force
- Low power consumption
- Long operational life (plate through type)
- High electrostrictive factor

Segments

- Industrial
- Medical



No International Standards

- No Size
- No Temperature Code

www.kemet.com/actuators

