



# THERMOCOUPLES: TYPE JTCO

## WITH COMPENSATED MINIATURE CONNECTOR

### DESCRIPTION:

Small diameter thermocouple with moulded-on compensated connector.

### FEATURES:

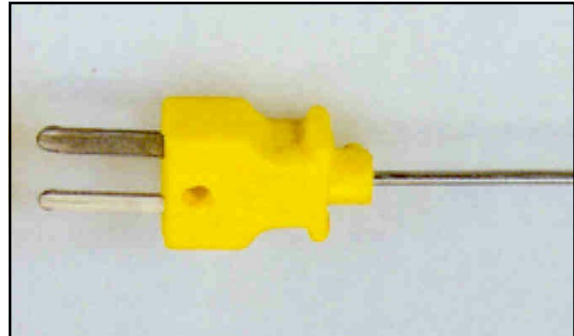
- Suitable for applications requiring fast response time and minimum probe size.

### DATA:

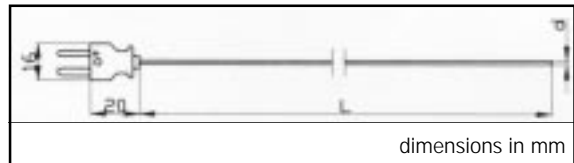
**Sensing element** ..... Single element  
 ..... thermocouple type K or J  
**Maximum temperature** ..... 1150°C (type K)  
 ..... 600°C (type J)  
 ..... 120°C (connector)  
**Construction** .. Densely packed MgO insulation  
 ..... Ungrounded hot junction  
**Minimum bending radius** ..... 3 x d  
**Sheath material** ..... Inconel 600 for type K  
 ..... AISI 304 for type J  
**Diameter d** ..... 0.25 - 1.5 mm  
**Length L** ..... 250 or 500 mm  
**Connector** ..... Compensated male miniature  
 ..... ASTM E 1684-96  
 ..... Moulded nylon body  
**Insulation** ..... 100MΩ at 50V d.c.  
 ..... for 0.25 and 0.5mm diameter  
 ..... 100MΩ at 100V d.c.  
 ..... for 1.0 and 1.5mm diameter

### OPTIONS:

- Other diameters
- Other lengths



### DIMENSIONS:



### CODING:

e.g. JTCOKI100S501

Example	Description	Code	Values
JTCO	Type		
KI	Sensing element type	KI KA JA	K-IEC K-ANSI J-ANSI/IEC
100	Sheath diameter (d) mm	25 50 100 150	0.25 0.5 1.0 1.5
S501	Sheath length L (mm)	251 501	250 500

Data sheet D-JTCO-1