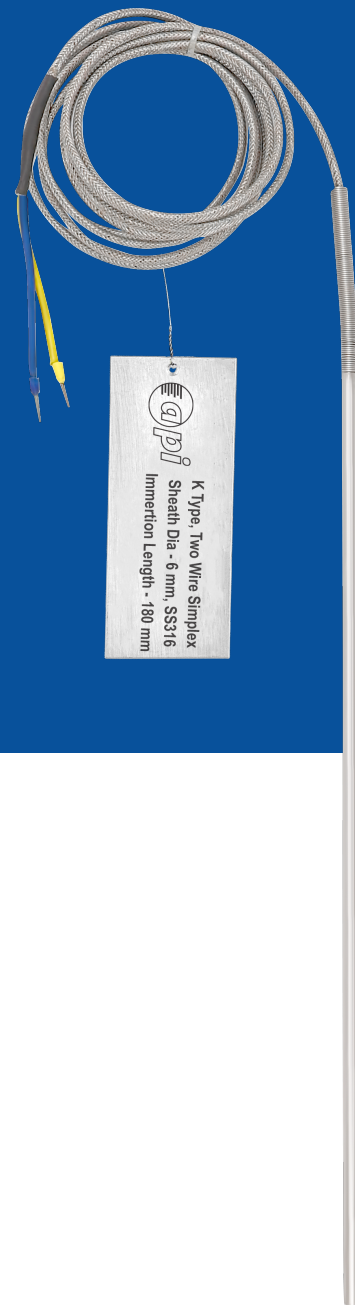


TRANSITION JOINT THERMOCOUPLE SENSOR

MODEL
S2.02



PRODUCT DESCRIPTION

Transition Joint Conventional Assembly thermocouple sensors are lightweight Built with rugged transition joints, this thermocouple sensor measures temperatures between -50 and 250°C. It comes with rugged transition joint connections and compacted magnesium oxide (MgO), which protects the thermocouple assembly from vibrations and increases its durability wide range of options can be constructed with Mineral Insulated thermocouple sensors, such as head-mounted transmitters, connecting cables and thermowells.



TRANSITION JOINT THERMOCOUPLE SENSOR

MODEL S2.02

KEY FEATURES

- Mineral insulated with compact MgO powder
- Various mounting connections
- Available in various standard sheath diameter & sheath materials
- Crimp-on/ISO threaded pot sealed
- Standard followed : IEC-584.2 / ANSI MC - 96.1

SPECIFICATIONS

No. of element	: Simplex, Duplex
Element Type	: K type
Range	: -270...1372 °C
Accuracy	: Class 1 as per Range IEC-584.2/ANSI MC-96.1
Hot Junction Type	: Ungrounded Junction
Wire Configuration	: 2 Wire System
Sheath Diameter	: 6 mm
Sheath material	: SS 316
Element Length	: 150 mm
Cold-end termination	: Crimp-on pot with lead wires
Lead Wire extension	: PTFE / PTFE / Overall SS braided
Lead wire extension length	: 3000 mm
Process Connection	: ½" BSS (M), SS316

APPLICATION

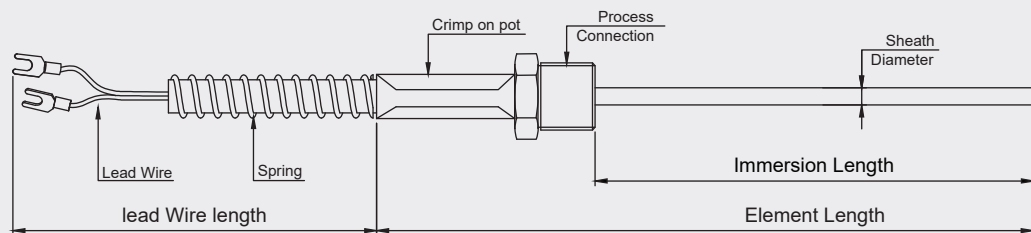
- Oil & Gas applications
- Chemical & Petrochemical
- Cement Plants
- Fertilizer
- Steel Plants
- Power Plants
- Nuclear Plants
- Furnace
- Boiler
- Reactor

TRANSITION JOINT THERMOCOUPLE SENSOR

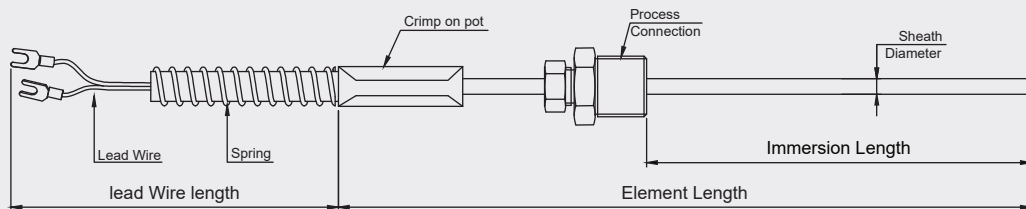
MODEL
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DIMENSIONAL DRAWINGS

FIXED CONNECTION



ADJUSTABLE VERSION



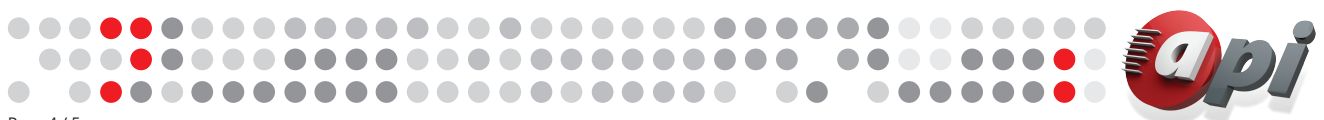
Important Notes: Above drawings are not to scale. All dimension are in mm

TRANSITION JOINT THERMOCOUPLE SENSOR

MODEL
S2.02

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	S2.02	A	K	1	GJ	21	S6	B03	S6	XXX	XXX	CE4	XXX	LW1
DESCRIPTION															
Model															
Transition Joint Thermocouple Sensor	S2.02	S2.02													
Version															
Fixed	F														
Adjustable	A		A												
Element															
K-Chromel-Alumel	K			K											
J-Iron-Constantan	J														
T-Copper-Constantan	T														
E-Chromel-Constantan	E														
N-Nicrosil-Nisil	N														
Accuracy															
Class-1	1				1										
Class-2	2														
Hot Junction															
Grounded Junction	GJ					GJ									
Ungrounded Junction	UJ														
No of Element															
Simplex	21						21								
Duplex (*)	22														
Note- (*) Above Sheath Dia.3 mm															
Sheath Material															
SS 316	S6							S6							
Inconel 600	I6														
Sheath Diameter															
Ø3.0 mm	B03								B03						
Ø6.0 mm	B06														
Ø8.0 mm	B08														
Connection material															
SS 316	S6									S6					
SS 316L	SL														
Immersion length															
XXX. As per customer requirement in 'mm'	XXX										XXX				
Element length															
XXX. Specify in mm	XXX											XXX			
Cold End Termination															
Crimp on Pot	CE1														
3.0 mm ISO pot (Threaded Pot) with lead wires	CE4												CE4		
6.0 mm ISO pot (Threaded Pot) with lead wires	CE5														
8.0 mm ISO pot (Threaded Pot) with lead wires	CE6														
10.0 mm ISO pot (Threaded Pot) with lead wires	CE7														
Lead Wire Length															
XXX.As per customer requirement in 'mm'	XXX													XXX	
Lead Wire Type															
PTFE insulated	LW1														LW1
PTFE / PTFE insulated	LW2														
PTFE / PTFE / Overall SS braided	LW3														
Fiber Glass / Fiber Glass / Overall SS braided	LW4														



TRANSITION JOINT THERMOCOUPLE SENSOR

MODEL S2.02

MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	12BM	X16		
Process Connection					
1/2" BSP (M)	12BM	12BM			
1/2" NPT (M)	12NM				
1/2" NPT (F)	12NF				
1/2" BSP (F)	12BF				
3/4" BSP (M)	34BM				
3/4" NPT (M)	34NM				
3/4" BSP (F)	34BF				
3/4" NPT (F)	34NF				
Other Options					
Calibration certificate	X16				X16
Tag plate, SS 316	X26				

SAMPLE ORDERING CODE:

S2.02-A.K.1.GJ.21.S6.B03.S6.XXX.XXX.CE4.XXX.LW1.12BM.X16

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice.