Thermocouple KT 1 and KT 2

with cable and bayonet socket

Data sheet 1701

FRODE PEDERSEN

Application

- For measurement and surveillance of temperature on f.inst plastic extruders, tools and machine constructions
- Can be used on surfaces up to 180°C.
- Fields of application
  - Plastic industry
  - Machinery- and tool industry

Technical features

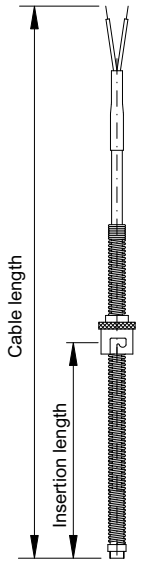
- Thermocouple type J and K acc. to IEC 584-1
- Very fast response time. Achieved by grounded hot junction and spring loaded contact to the surface
- Solid construction with high resistance against vibration
- Quick mounting and adjustment of insertion length by means of a bayonet socket on a spring.

Ordering

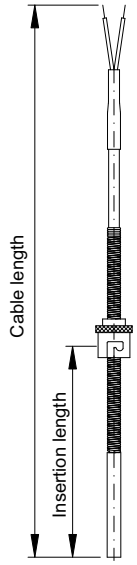
Please select the requested sensor from the table below
The colour code means:

Standard:	Built of standard modules (short delivery time)
Variant:	Modified standard modules
Special:	Special versions and material. We are specialists in temperature measurement. Please contact us and we shall do our utmost to solve your specific measuring tasks

KT 1



KT 2



Ordering information

Sensor

Specifications number 1701- [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Type

KT 1	Insertion length, adjustable 10-350mm	0
KT 2	Insertion length, adjustable 50-350mm	1
Special:		s

Cable length (meter)

01	1 meter
x x.x	Special (Min 0.1 meter)

Cable type

0	XGLGLO 2x0.22mm^2 . Fibreglass +steel braid, 200°C
s	Special:

Process connection (see page 2)

Material: Nickel plated brass

None	0
1/4" BSP Bayonet nipple:	1
Special:	s

Tolerance acc to IEC 584-2

0	Class 2, for J, K and N, i.e. ±2.5°C or 0.0075 x t_{actual} (°C) 1)
s	Special:

Note 1: The highest value apply

Thermocouple and measuring range

Fe-CuNi	type J	Max. 400°C	0
NiCr-Ni	type K	Max. 400°C	1
Special:			s

Hot Junction

0	Grounded (thermocouple bonded to outer sheath)
1	Insulated from outer sheath

Number of thermocouples

1	0
Special:	s

Accessories

Compensation cable: See data sheet 9150

Customer information

Name:

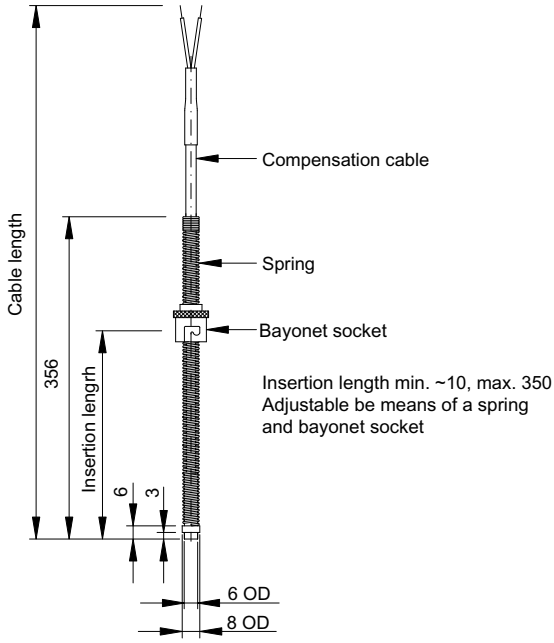
Tel.:

TECHNICAL DATA

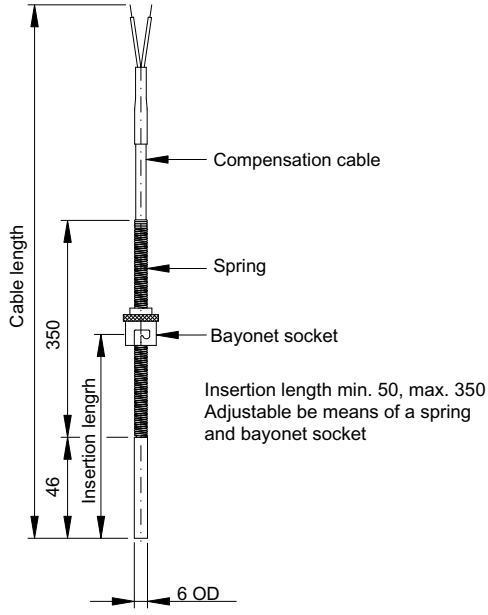
All dimensions in mm

Dimensions

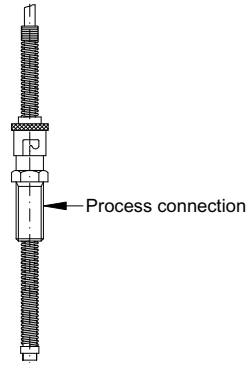
Type KT 1



Type KT 2



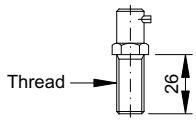
Mounting



Compensation cable

XGLGLO 2x0,22 mm^2. Fibreglass +steel braid, 200°C

Proces connection



Bayonet nipple
Nickel plated brass
Thread
1/4" BSP

Connection diagram

XGLGLO	
1xJ	1xK
Black + − White	Green + − White

L-KT1701-200603-UK

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