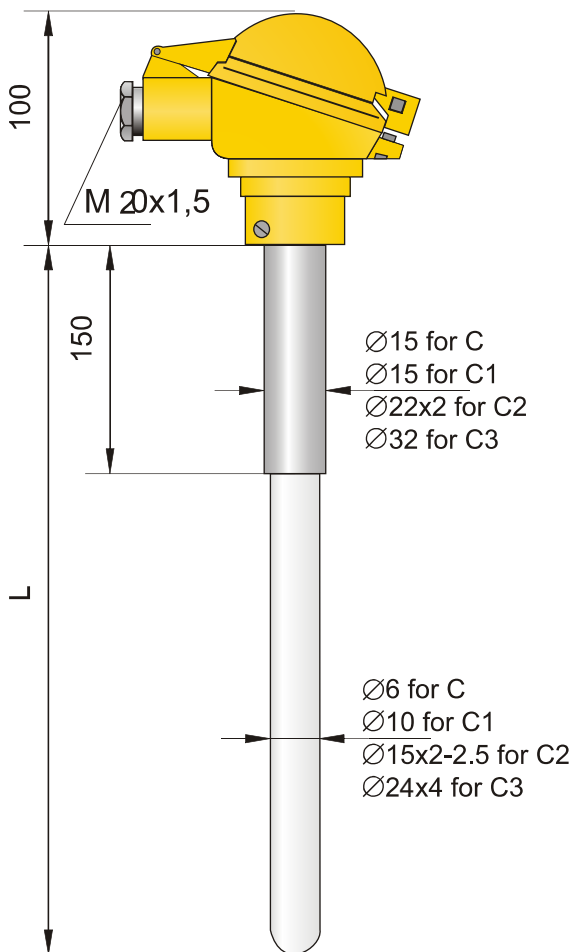# Temperature sensor
type CT C, CT C1, CT C2, CT C3
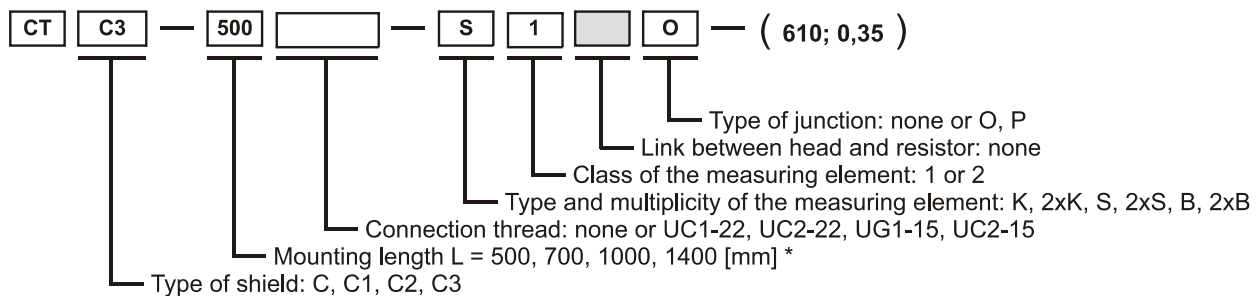

TECHNICAL DATA:

1. Measuring range (constant/momentary)
   K: 0 ... 1000 / 0 ... 1100 [$^{\circ}$C]
   S: 0 ... 1300 / 0 ... 1600 [$^{\circ}$C]
   B: 0 ... 1600 / 0 ... 1800 [$^{\circ}$C]
2. Material of wetted parts:
   mullite ceramic material 610 for K or S
   high aluminium ceramic material 799 for S or B
3. Standard immersion length L:
   500, 700, 1000, 1400 [mm] (*)
4. Process connection:
   UC1-15, UC2-15, UC1-22, UC2-22
5. Admissible vibrations at mounting site:
   5 ... 80 [Hz] up to 2 [g]
6. Diameters of thermoelectric wires:

Type	Ø [mm]
K	1 for C and C1 1.6 for C2 and C3
S	0.35 or 0.5
B	0.5

Ø15 for C
Ø15 for C1
Ø22x2 for C2
Ø32 for C3

Ø6 for C
Ø10 for C1
Ø15x2-2.5 for C2
Ø24x4 for C3

Ordering procedure:

Type of junction: none or O, P
Link between head and resistor: none
Class of the measuring element: 1 or 2
Type and multiplicity of the measuring element: K, 2xK, S, 2xS, B, 2xB
Connection thread: none or UC1-22, UC2-22, UG1-15, UC2-15
Mounting length L = 500, 700, 1000, 1400 [mm] *
Type of shield: C, C1, C2, C3

ADDITIONAL INFORMATION:

1.* Non-standard length of temperature sensors on demand.
2. Type of exchangeable insert: W4.
3. Please indicate the material of shield 610 or 799 and the diameter of the thermocouple in brackets.
4. To specify temperature sensor with the head - mounted transmitter please add code of transmitter at the end of ordering code of sensor (see chapter X) e.g.