

ST- SkinTube thermocouple

ST-SkinTube thermocouple

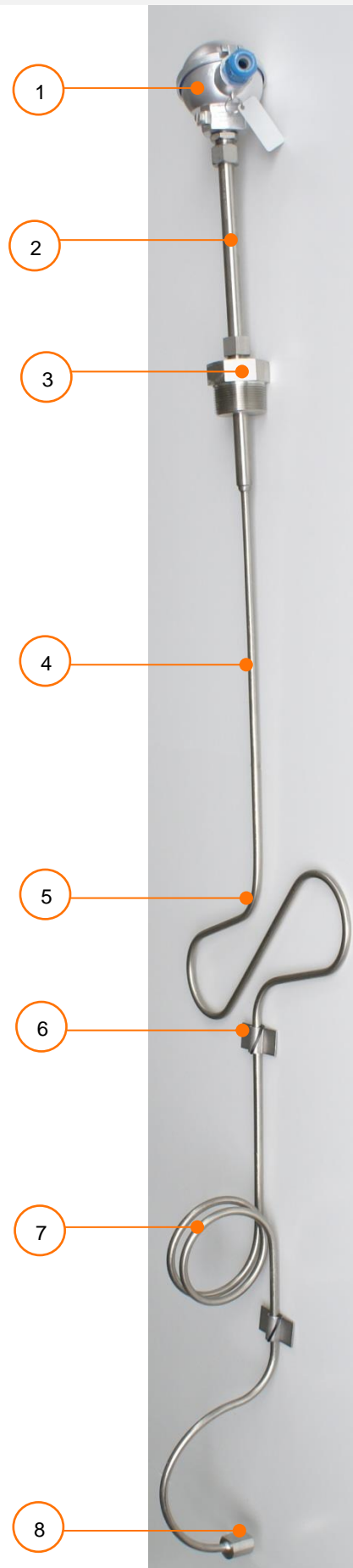
Thermocouples series ST-SkinTube are dedicated to measure surface temperature on boilers, super heater or heat exchanger tubes.

The shape of the thermocouple is designed to the installation location. Thermocouples are available with a weld pad shaped to the curvature of the tube and additional mounting clamps.

Compensations loops (and / or type S) compensate the movement of tubes are subject to thermal extension.

Construction

1. Electrical connection (terminal head)
2. Neck tube
3. Process connection
4. Mineral insulated thermocouple
5. Compensation (type S)
6. Mounting clamps
7. Compensation (loop)
8. Welding pad



ST- SkinTube thermocouple

Type description

S T - 3 8 1 1 1 2 0 1 - 0 6 8 0 0

Electrical connection

| | |
|-------------------|---|
| Head form A | 1 |
| Head form B | 2 |
| Head form BUZ | 3 |
| Head form BUZH | 4 |
| Head form BUS | 5 |
| Head form BUSH | 6 |
| Another head* | 7 |
| Cable connection* | 8 |
| Another* | 9 |

Thermocouple

| Diameter | Type | K | | N | | J | |
|----------|------|----|----|----|----|----|----|
| | | 1x | 2x | 1x | 2x | 1x | 2x |
| 3 | | 31 | 32 | 33 | 34 | 35 | 36 |
| 4,5 | | 41 | 42 | 43 | 44 | 45 | 46 |
| 6 | | 61 | 62 | 63 | 64 | 65 | 66 |
| 8 | | 81 | 82 | 83 | 84 | 85 | 86 |
| 12,7 | | 01 | 02 | 03 | 04 | 05 | 06 |

Material

| Material | Description | |
|------------------|-------------|---|
| Stal | Mat. 1.4845 | 1 |
| Inconel | Mat. 2.4816 | 2 |
| X15CrNi Si 25 20 | Mat. 1.4841 | 3 |
| Nicrobel | | 4 |
| Incolloy | Mat. 1.4876 | 5 |
| Another | | 9 |

Process connection

| | | |
|------------------|---|---|
| thread 1/2" NPT | 0 | 1 |
| thread 3/4" NPT | 0 | 2 |
| thread 1"NPT | 1 | 0 |
| thread 1 1/2-NPT | 1 | 2 |
| thread 1 1/4-NPT | 1 | 4 |
| thread 2" NPT | 2 | 0 |

Following number

Detail description, construction: length and material of neck tube shape, type of compensation, etc, parameters agreed individually

01

Length [mm] f.e. 6800mm 0 6 8 0 0

ST- SkinTube thermocouple

Accessories

S T - 0 1 0 1 6 0 0 1 - 0 1 0 0

| Accessories | | | |
|---|---|--------------------|-----------|
| Mounting accessories | | | 0 |
| Type | | | |
| Thermal shield | | | 1 |
| Mounting clip | | | 2 |
| Material | Material | Description | |
| | Steel | Mat. 1.4845 | 01 |
| | Inconel | Mat. 2.4816 | 02 |
| | X15CrNi Si 25 20 | Mat. 1.4841 | 03 |
| | Nicrobel | | 04 |
| | Incolloy | Mat. 1.4876 | 05 |
| | Another | | 09 |
| Size (width) | | [mm] | 6 0 |
| Serial number | | | |
| Identifies dimensions and special parameters of accessories given by manufacturer | | | 0 1 |
| Pipe diameter [mm] | in the case of products dedicated to pipe diameters | | e.g.100mm |
| | | | 0 1 0 0 |