TUBE SKIN THERMOCOUPLES
with connection head assembly

Specifications:

Series: TUS-10.000

CONNECTION HEAD
Type: weatherproof connection head with screw on cover
Material: cast-iron, zinc-plated
Conduit entry: 3/4" NPT standard; if 1/2" NPT, M 20 or PG 16 is required, please specify
Cover: internally threaded with gasket and SS retaining chain
Terminal block: fixed ceramic block with clamp type terminals

EXTENSION
Type: nipple-union-nipple with SS compression fitting inside the union
Nipples: galvanized carbon steel 1" sched. 40
Union: galvanized malleable iron 150 lbs
Extension length: approx. 210 mm
Process connection: 1" NPT male thread; if other size required, please specify

THERMOCOUPLE
Probe type: mineral insulated (MgO)
Thermocouple type: Chromel-alumel, type K
Standard limits of error: ANSI MC 96.1 / IEC 584
Sheath material: SS 310, SS446 or Hastelloy X
Outside diameter: 4.8 mm (3/16") or others
Hot junction: insulated
Probe length ‘L’ incl. expansion loop: to be specified; replace box ‘L’ in ordering code
Weld pad dimensions: 25 x 25 x 3.2 mm
Mounting method: longitudinal or right angle mounted on furnace tube
Furnace tube o.d.: to be specified; replace box ‘D’ in ordering code (minimum 50 mm)
Weld pad material: same as sheath material
Weld clamps: one clamp will be supplied with each assembly, material same as sheath material; extra clamps to be ordered separately; see below

Ordering code:

<table>
<thead>
<tr>
<th>Sheath material</th>
<th>Longitudinal mounted</th>
<th>Right angle mounted</th>
<th>Weld clamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS 310</td>
<td>TUS-10484-K</td>
<td>TUS-11484-K</td>
<td>TUS-90484-K</td>
</tr>
<tr>
<td>Hastelloy X</td>
<td>TUS-10487-K</td>
<td>TUS-11487-K</td>
<td>TUS-90487-K</td>
</tr>
</tbody>
</table>

□ = probe length ‘L’ and furnace tube o.d. ‘D’ in mm (to be specified)