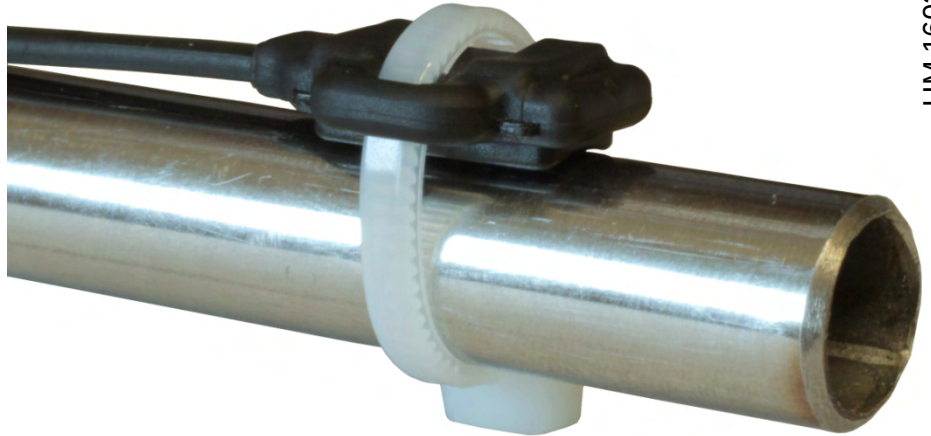
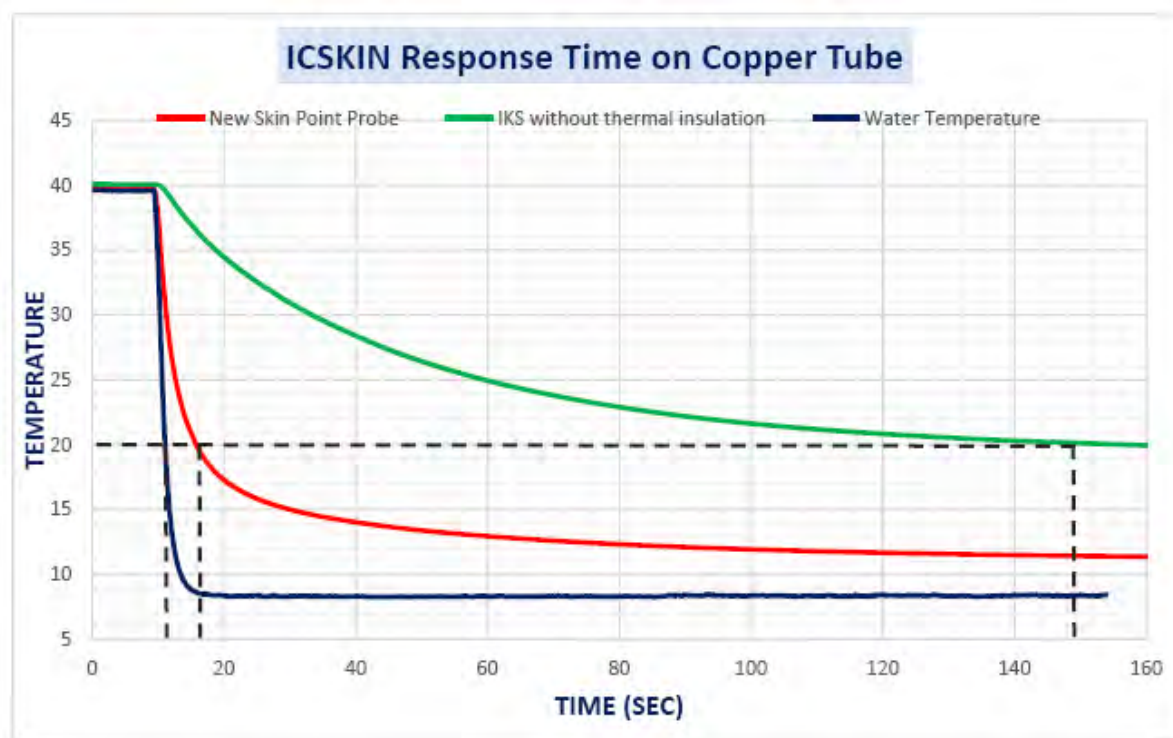


ICSKIN with outstanding response time

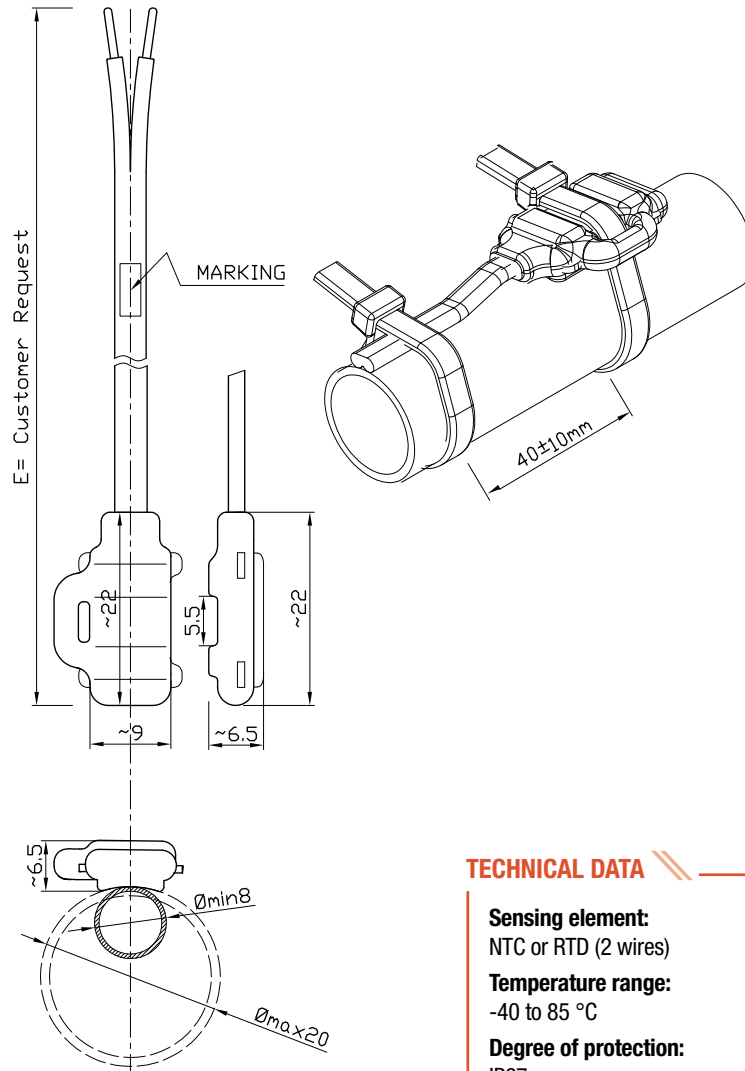


HM 1602

With a correct installation, the ICSKIN response time can be over 20 times lower than a standard sensor (e.g. IKS) that works in the same conditions. As an example, please see the following response time diagram relative to a comparative test between an IKS probe (bulb size Ø5x20mm, Green curve) and an ICSKIN probe (Red curve) both installed without insulation around them on a copper tube where water is circulating and which temperature drops from 40° to 8°C as measured by a fast response Pt100 reference probe (Blue curve).



At the temperature of 20°C (about 63% of the thermal drop) the ICSKIN response time curve reaches the 20°C threshold after about 5 seconds whereas the IKS response time curve reaches the same threshold after 137 seconds thus showing a response time of almost 30 times higher than ICSKIN.



Ex)

TAS-2F2-T030 (NTC 10kOhm 25/85 3m cable)

TECHNICAL DATA

Sensing element:

NTC or RTD (2 wires)

Temperature range:

-40 to 85 °C

Degree of protection:

IP67

Insulation Resistance:

1000Mohm @ 2500Vcc

Dielectric strength:

1500Vac

Moulded body:

thermoplastic rubber

Cable:

Flat 2-core AWG24

Single thermoplastic rubber insulation

Tube Features:

diameter Ø8 mm to Ø20 mm

Ties Features:

Type Std EN 50146, material approved for 85 °C (eg. PA66), width 3.5 min .. 5 max

Connector:

customizable