Expansion Thermometers
Model IFC

Applications

- Machine building
- Refrigeration industry
- Food and beverage industry
- Heating, ventilation, air conditioning

Special Features

- With capillary
- Universally applicable

Expansion Thermometer Model IFC

Description

Nominal size in mm
60, 80, 100, 72 x 72, 96 x 96

Ingress protection
Case round: IP 54 per EN 60 529/IEC 529
Case square: IP 40 per EN 60 529/IEC 529

Accuracy class
±2 % of measuring range at a reference temperature of 23 °C on case and capillary

Scale range
-100 °C ... +400 °C

Operating temperature
Case: -20 °C ... +70 °C
Capillary:
- Plastic covered -40 °C ... +120 °C
- Copper braided -100 °C ... +350 °C
- Stainless steel -100 °C ... +400 °C

Scale length
Max. 270 ∢°

Dial
Plastic, white, lettering black

Measuring principle
Bourdon tube system

Capillary
Plastic covered or copper braided capillary
Capillary either in copper or stainless steel 1.4571 depending on scale range

Capillary length
Max. 5 m

Capillary outlet
Lower back

Case
Plastic (ABS)

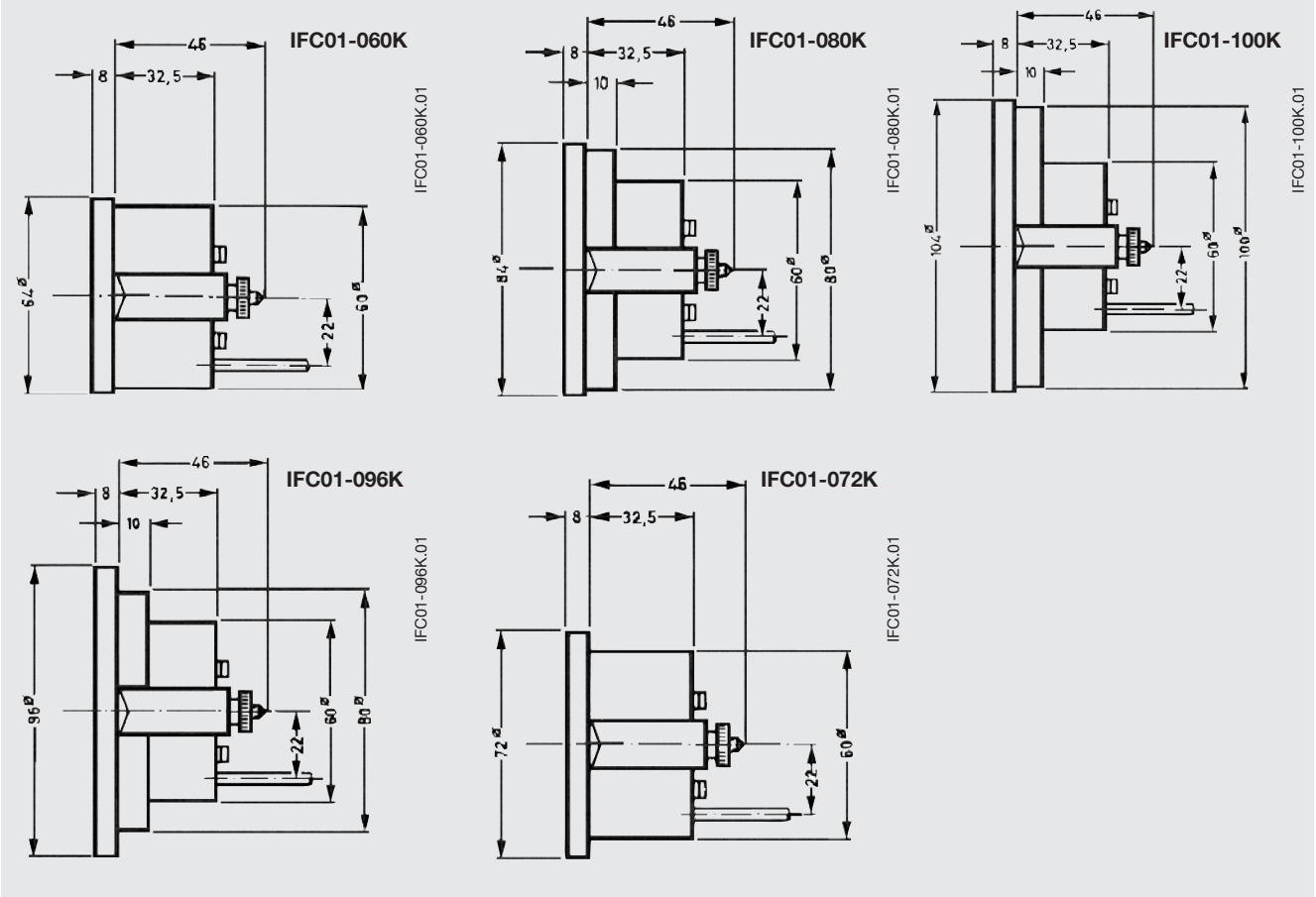
Type of mounting
Panel mounting with clamp

Options

- Case steel
- Case squared version
- Panel mounting flange
- Other design of connection
- Other case dimensions

Dimensions in mm

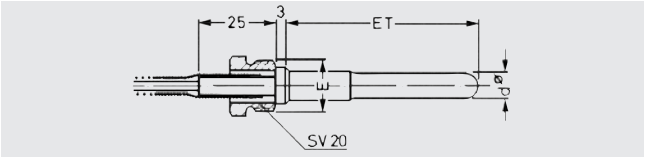
Standard version



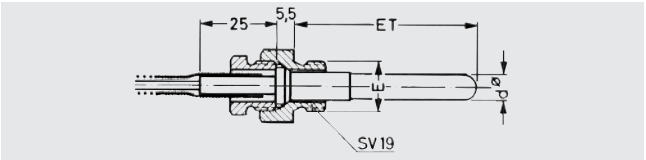
Design of connection

Plain stem (without thread), SF94
Cu-alloy
Stem length = variable
Stem diameter Ø d = 6, 8, 8.5, 10

Male nut, SF91 / SV20
Cu-alloy, R ⅜
Stem length = variable
Stem diameter Ø d = 6, 8, 8,5, 10



Connection nut with fitting SF91 / SV19
M14 x 1.5, R ⅜, R ½, R ¾
Cu-alloy
Stem length = variable
Stem diameter Ø d = 6, 8, 8.5, 10



Ordering information

Model / Nominal size / Scale range / Type of contact / Switching points / Capillary, -length / Design of connection/ Options

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