Machine-glass Thermometer TMa
Upper part 110 x 30 mm – anodised brass-coloured

DIN 16 181 B, B1
DIN 16 182 S, S1

Example | VA | 2 | 35 | 1 | 1 | 030 | 2 | 1
---|---|---|---|---|---|---|---|---
Thermometer version  |  |  |  |  |  |  |  |  |
straight  | VA |  |  |  |  |  |  |  |
angle 90°  | HA |  |  |  |  |  |  |  |
angle 135°  | SA |  |  |  |  |  |  |  |
Immersion tube type  | 2 |  |  |  |  |  |  |  |
Temperature ranges  |  | −30 / +50 °C = 35 |  |  |  |  |  |  |
0 – 60 °C = 06 |  |  |  |  |  |  |  |  |
0 – 100 °C = 10 |  |  |  |  |  |  |  |  |
0 – 120 °C = 12 |  |  |  |  |  |  |  |  |
0 – 160 °C = 16 |  |  |  |  |  |  |  |  |
0 – 200 °C = 20 |  |  |  |  |  |  |  |  |
Division  | Celsius (°C) | 1 |  |  |  |  |  |  |
Celsius + Fahrenheit (°C + °F) | 2 |  |  |  |  |  |  |  |
Thermometric liquid filling  |  |  |  |  |  |  |  |  |
blue filling  | Fü | = 1 |  |  |  |  |  |  |
Immersion tube lengths  | dimension l₁ in mm | 30 = 030 |  |  |  |  |  |  |
40 = 040 |  |  |  |  |  |  |  |  |
63 = 063 |  |  |  |  |  |  |  |  |
100 = 100 |  |  |  |  |  |  |  |  |
160 = 160 |  |  |  |  |  |  |  |  |
250 = 250 |  |  |  |  |  |  |  |  |

Screw threads  |  |  |  |  |  |  |  |  |
G ¾ A/SW 22 | 1 |  |  |  |  |  |  |  |
G ½ A/SW 27 | 2 |  |  |  |  |  |  |  |
M 16x1.5/SW 22 | 5 |  |  |  |  |  |  |  |
M 20x1.5/SW 37 | 7 |  |  |  |  |  |  |  |

Immersion tube materials  |  |  |  |  |  |  |  |  |
brass (hexagon Ms 58/tube SoMs 76 or Ms 63), brazed or for immersion tube length up to l₁=63, G ¾ A made of Ms 58 solid possible at our choice | 1 |  |  |  |  |  |  |  |
alloy steel (hexagon 9SMnPb28K/tube St 35, welded) | 2 |  |  |  |  |  |  |  |
stainless steel 1.4571 (hexagon and tube) | 3 |  |  |  |  |  |  |  |
special brass (hexagon SoMs 59/tube SoMs 76) | 4 |  |  |  |  |  |  |  |
CuNi30Fe (hexagon and tube) | 5 |  |  |  |  |  |  |  |

For all thermometers with angle <90°, the immersion tube is connected to the upper part with a grooved spigot. This connection is secured with a hardened retaining screw.

Advantages:
• Easy installation
• Immersion tube and upper part can be mounted separately
• It is not necessary to turn the upper part during installation