

Calibrator

Portable, -35 °C to 165 °C



Specifications:

Model	: TP M165 S-U
Temperature range	: -35 °C to 165 °C
Control function switchable	: Internal reference sensor for bath, dry we External reference sensor for surface temperature function
Connection	: of an external reference sensor with mini DIN socket
Changeover	: to different functions at controller with alternating display
Display resolution	: 0,01 °C , -9,99 up to +99,99, else 0,1 °C
Display	: 2- line, 4 digit digital display, 7mm reference temperature (PV) red set point temperature (SV) green
Control with	: digital PID controller automatic fine adjustment with soft start for fan Manual control of the temperature by hand set point store for 4 temperature values Gradient control programmable °C/min Ramp function, programmable temperature profile Working-and service hour counter
Serial	: RS 485 interface (incl protocol)
Block dimensions	: diameter 60mm, dept 150 mm (170 mm)
Power supply	: 100...240 VAC, 50/60Hz
Dimensions	: 210 x 380 +50 x 300 mm
Weight	: 12,5kg
Including accessories	: magnet stirrer, sensor basket, screw cap, suction pump, sensor lid with 5 silicone plugs
Micro bath function	: use as RPM-regulated liquid bath
Tolerance	: +/- 0,1 °C
Stability of bath control	: +/- 0,05 °C
Linearization	: at 6 points
Reference sensor	: TF255-3-300

Ordering code:

TP M 165 S-U
TP M 165 S-U, dry block, tolerance +/- 0,3 °C, stability +/- 0,05 °C
TP M 165 S-U, dry block, IR function, tolerance +/- 0,5 °C, stability +/- 0,05 °C
TP M 165 S-U, dry block, IR function, Surface function, range -25 °C up to 15 °C 0, tolerance +/- 1 °C
stability +/- 0.2 °C

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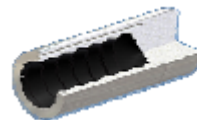
Service and transport case of solid aluminium



Aluminium adaptor sleeves 60/150 for:
TP M XXX S X
Diameter :60 mm, depth 163 mm
Inside diameter :between 1,5 mm and 55 mm, in steps of 0,5 mm



IR adaptor sleeve 60/150
For TP Multi
Diameter :60 mm, depth 150 mm
Inside diameter :1,5 mm and 25 mm
Bore for reference: 2 x 3 mm ,or 1 x 4 mm



Surface adaptor sleeves 60/204
TP M XXX S X
Diameter :60 mm, depth 204 mm
Bore for reference :2 x 3 mm or 1 x 4 mm



Other temperature ranges are available range ambient to 450 °C
Type TP 17 450 S and TP 17 450 S/U