

Checking Facility for Temperature Control Units

Product Information 2023-10



Checking Facility for Temperature Control Units

Certainty and consistent quality in any production process demand the documented maintenance of all quality-related equipment. This is also one of the requirements of a quality management system. The temperature control unit stores the values obtained by means of the checking facility. For analysis and generation of a certificate they can be transferred via USB thumb drive to a computer and further processed with the software VIP.

The test results of the following parameters will be taken and evaluated:

- Temperature validation via Pt 100 or thermocouple type J
- Pressure validation via pressure gauge
- Flow-rate evaluation via pressure drop
- Pump wear monitoring via pressure gauge

Technical specifications

Checking facility	Type	HB-TP180-12	HB-TP200-12	HB-TP180-45
Heat transfer medium		Water	Oil	Water
max. temperature	°C	180	200	180
for connection main/return line		G¾	G¾	G1¼
Calibration @ 1 bar	L/min	12	12	45
Pressure resistance	bar	25	25	25
Weight max.	kg	9	9	9
System requirements for software		Microsoft Office 2010 or higher		
Recommendation for Pt 100 reference measuring		Metrawatt International GmbH		

Ordering example: HB-TP180-12, English

Scope of delivery

HB-TP180/200-12

HB-TP180-45



- Test plug Pt 100 (o/ID T25320)
- 2 Instrument cabel 1 m (o/ID T25319)
- Cable Fe-CuNi, 2 m (o/ID T25318)
- Calibration certificate
- Carrying case



- Test plug Pt 100 (o/ID T25320)
- 2 Instrument cabel 1 m (o/ID T25319)
- Cable Fe-CuNi, 2 m (o/ID T25318)
- Adapter R1¼ - M36 (o/ID T25380)
- Hose PFA DN25x750 (o/ID T25390)
- Calibration certificate
- Carrying case

Note: The VIP software for creating the test certificates can be downloaded from our website: www.hb-therm.com