CC-112A

Clear View Circulator Bath consisting of transparent baths made of polycarbonate with temperature range up to max. 100°C. Powerful pressure and suction pump made of high-resistant plastic. Bath bridge with bore hole for cooling probe (e.g. for immersion cooler TC45-TC100E). With adjustable overtemperature protection according to DIN 12876.

Pilot ONE:
The Pilot ONE controller with pioneering technology and advanced control functions brings numerous advantages to routine work. The extensive features list includes a brilliant 5,7“ TFT touchscreen display, USB and network connections, an integrated technical glossary and language support in 13 languages (EN, DE, FR, IT, ES, RU, ZH, PT, JA, CS, PL, KO, TR). The Pilot ONE has a convenient navigation system with easily remembered icons and menu categories which are colour sorted to make routine work simpler. Thanks to a favourites menu and One-Click operator guidance all important information is always just a few keystrokes away. Software wizards also help you to set up, ensuring correct settings. The USB port allows connection of the system to a PC or notebook. Together with the Spy software, requirements such as remote control or data transmission are easily achieved in a cost-effective manner. Network integration is easy with the internet port.

The range of functions can be expanded very easily via E-grade at any time by entering a unit specific upgrade code:

E-grade "Exclusive": TAC (True Adaptive Control) - self optimising internal and cascade control, selectable temperature control mode (Internal/Process), programmer with 3 programs (max. 15 steps), ramp function (linear), 5 point calibration, scalable graphic display, favourites menu, display resolution 0,01 K.

E-grade "Professional": Programmer with 10 programs (max. 100 steps), ramp function for temperature gradients (linear and non-linear), 2nd set point, user menus (Administrator level), calendar start.

4-year warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	25...100 °C
with water cooling	20...100 °C
with refrigerator	15...100 °C
Temperature stability at 70°C	0,02 K
temperature set point / display	5,7" colour Touchscreen
Absolute accuracy	setup for calibration
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Safety classification	III / FL
Heating power at 115V	1,5 kW
Heating power at 100V	1 kW
Pressure pump	
max. delivery	27 l/min
max. delivery pressure	0,7 bar
Suction pump	yes
max. delivery (suction)	22 l/min
max. delivery pressure (suction)	0,4 bar
Pump connenction (optional)	M16x1 male
Bath volume	12 l
min. filling capacity	8 l
Width bath opening WxD/ bath depth	275x161/ 150 mm
Overall dimensions WxDxH **	333x360x335 mm
Net weight	8 kg
Power supply requirement	100-115V 1~ 50/60Hz
Power input	1,6 kW
max. current	15 A
Fuse	15 A
Pressure equipment category	Art. 4.3 PED
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C



Order-No.: 2052.0002.01

from Serial-No.: S522555 **1.0/23**

Technical data according to DIN 12876

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

Accessories and periphery: mini-USB cable #54949*, Bath Bridges #19593, cooling coil #30554, drain valve ,
pump adaptor #19606, Note: When using Huber pump adapter: Polyglycol is not permissible to be used as a heat transfer fluid,test tube racks Typ 1-4, nozzle #33288, holder for dip cooler TC45(E)-TC100(E) #14562, cover for bath bridges #40836*,
DS level regulator #9580, adjustable base #40764, Bath covers in various versions: see catalogue,.

* standard equipment

Output data valid for: Room temperature 20°C

In accordance with EN60034-1 the following voltage and frequency tolerances are valid:
Voltage + / - 10%, as long as the frequency tolerance does not run in the opposite direction.
Example: -10% voltage and + 3% frequency -> not allowed !
-10% voltage and -3% frequency -> allowed.

Information to Electromagnetic compatibility:
Classification (disturbance) to EN55011: Class A, Group 1

Standard delivery conditions - Power cable configuration:
1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)
2. Three-phase devices with current consumption less than 63A --> with cable, without plug
3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

** Please respect space requirements. See operating conditions at www.huber-online.com