

ThermoTEC TCS-series

Product Information

- High spatial and temporal temperature and humidity accuracy
- new controller with 7" touch-screen for constant mode and program mode
- Low noise level
- Saves energy and water
- Robust and easy to service



Climatic chambers of the TCS-series are specially designed for storage and stability tests in research and development. Test area and housing of the chambers, made of stainless steel, are easy to clean because of their smooth surface and rounded corners.

Thanks to the high test rooms, they offer a large volume with a small footprint.

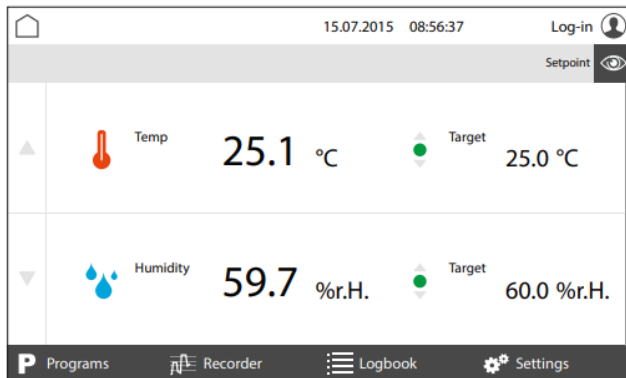
The use of separate cooling and dehumidification registers and ultrasonic humidifiers result in precise control and excellent energy efficiency.

The robust and low service test chambers have proven to be excellent and meet the requirements of the ICH-Guideline as well as requirements of GMP.

The new controller with 7" colour touch-screen can be operated intuitively and is suitable for both fixed value and programme control. Daily, weekly and process time programmes are possible. The programmes are entered in tabular form. The number of programmes and programme steps is unlimited.

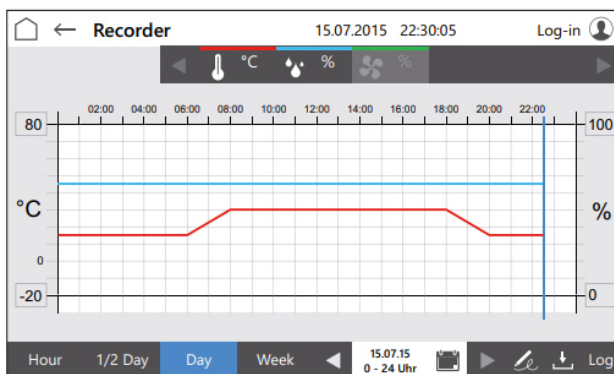
Climatic test chambers					
Type	Test chamber volume	Temperature range	Humidity range	Inside dimensions (W x H x D in mm)	Outside dimensions (Wx H x D in mm)
TCS-202	210 l	0 to +50 °C	20 to 95 % r. F.	610 x 600 x 585	730 x 1180 x 980*
TCS-352	350 l	0 to +50 °C	20 to 95 % r. F.	610 x 990 x 585	730 x 1600 x 980*
TCS-502	530 l	0 to +50 °C	20 to 95 % r. F.	610 x 1500 x 585	730 x 2105 x 980*
TCS-852	850 l	0 to +50 °C	30 to 95 % r. F.	610 x 1500 x 935	730 x 2105 x 1330*
TCS-1002	1060 l	0 to +50 °C	20 to 95 % r. F.	2x610 x 1500 x 585	1460 x 2105 x 980*
TCS-1702	1700 l	0 to +50 °C	30 to 95 % r. F.	2x610 x 1500 x 935	1460 x 2105 x 1330*

* depth incl. humidifier, can be dismantled for insertion → -160 mm



Intuitive operation

- Clearly arranged and easily to operate representation of the actual values and setpoints of all regulator and control circuits.
- Comfortable operation with language support in many languages



Integrated screen recorder

- Recording of actual values of all regulator and control circuits.
- Even with power failure, a restricted, battery backed monitoring is effected.

User Management 16.07.2015 15:06:40 Log-in

User ID	First Name/Name	Capacity	Status	Created on
blume	Anna Blume	Laborant	new	01.08.2014
fernandez	Sylvia Fernadez	Laborant	blocked	28.08.2014
klose	Richard Klose	QT	inactive	02.02.2015
wimmer	Erwin Wimmer	Leitung	active	20.05.2015
frey	Otto Frey	Laborant	active	19.06.2015

New Copy Edit

User administration with login

- It can be recorded who, when and which activity was carried out on the climatic chamber
- The user management allows the use of the appliance in conformity with 21CFR part 11.

Logbook 16.07.2015 17:03:30 frey

Date	Message	All
16.07.2015 08:04:23 Uhr	Door open	Note
16.07.2015 08:05:34 Uhr	Door closed	Note
16.07.2015 08:30:02 Uhr	Door open	Note
16.07.2015 08:32:21 Uhr	Door closed	Note
16.07.2015 14:02:45 Uhr	Interior had been cleaned (frey)	Comment
16.07.2015 16:59:29 Uhr	Door open	Note
16.07.2015 17:00:29 Uhr	Door closed	Note

from 21.06.15 to 16.07.15

Logbook

- Gapless event documentation in real time, inseparably connected with the recorded data.
- Filter function for the quick, selective display of the events.
- Free comments with login name are possible at any time.