

## Capacity expansion to perform accelerated aging according to ASTM F1980 – 16

**Weilburg, July 29, 2021 - ThermoTEC Weilburg, a leading specialist in sales and service of climatic testing technology, has commissioned another walk-in climatic chamber for performing accelerated aging in accordance with ASTM F1980-16. This expands ThermoTEC's existing range of services for customers in the medical technology sector and the pharmaceutical industry. Even though the company's focus is still on consulting and installation of climatic chambers and walk-in climatic chambers at the customer's site, the new approx. 70 m<sup>3</sup> climatic chamber offers space for up to 23 pallet storage locations and can be used in the temperature range from +20°C to +70°C and in the humidity range from 20% r.h. to 80% r.h. In total, ThermoTEC has now three walk-in climate chambers at the Weilburg site, which have a total volume of >120 m<sup>3</sup>.**

With the commissioning of the new walk-in climatic chamber in Weilburg, ThermoTEC is not only expanding its existing range of services, but is also using this climatic chamber as a test object for a new form of data acquisition. In contrast to the usual method, the measurement data is not only recorded by a measurement sensor placed near the control sensor, but also by using a total of 15 spatially distributed temperature and humidity sensors that are permanently installed in the climate chamber. Thus, ThermoTEC is not only able to record temporal control fluctuations, but also to make statements about the homogeneity as well as the loading influence at any time. *"ThermoTEC combines its experience in the construction of high-quality climatic chambers with the use of the latest precision measurement technology and thus shows its customers ways to significantly improve the quality of accelerated aging,"* says product manager and authorized signatory Dirk Bauer. Another advantage of this measurement concept is the fast and cost-effective annual recalibration of the individual sensors, which replaces an often more complex spatial distribution measurement using external equipment.

CORPORATE NEWS

**CONTACT**

**Managing Director/  
Head of Technical Operations**  
Fabian Habich

Phone: +49 (0) 6471/6293-204  
Mail: F.Habich@ttwe.de

**Authorized signatory/  
Product Manager**  
Dirk Bauer

Phone: +49 (0) 6471/6293-223  
Mail: Bauer@ttwe.de

**Business Development /Press**  
Isabel Heinen

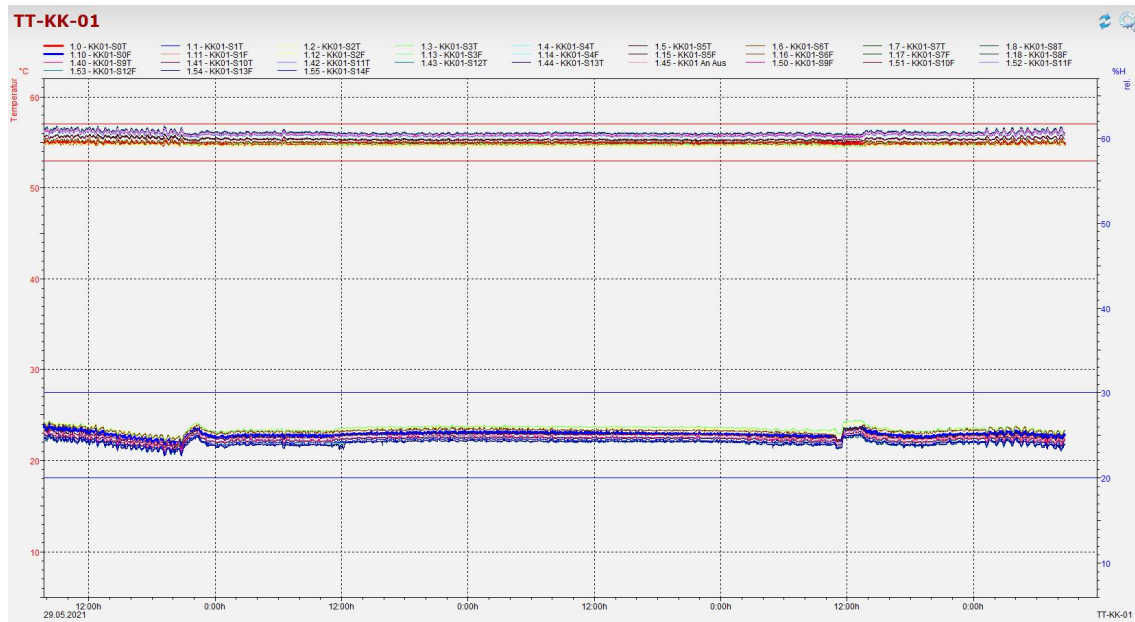
Phone: +49 (0) 6471/6293-207  
Mail: heinen@ttwe.de

**www.ttwe.de**  
ThermoTEC Weilburg

Friedenbachstraße 18  
35781 Weilburg



Front view of the new walk-in climate chamber. The available space was optimally and "tailor-made" utilized.



Display of real-time data acquisition by means of 15 spatially distributed, DAkkS-calibrated measurement sensors.

**COMPANY PROFILE**

ThermoTEC has been the specialist in the sales and service of climate testing technology for 30 years. Our portfolio includes the entire range of climatic testing technology applications: climatic test chambers, temperature shock test chambers, HAST systems as well as other devices and systems for environmental simulation from the well-known manufacturer ESPEC, climatic chambers and plant growth chambers for botanical examinations, test chambers and chambers for the pharmaceutical industry, data acquisition systems as well as test chambers for battery tests and weathering tests. ThermoTEC has been convincing its customers with innovative technology, in-depth specialist knowledge and tailor-made solutions since 1991.