Competence creates Confidence.

Model no. 1727

TENSILE CREEP TESTER

ISO 16770

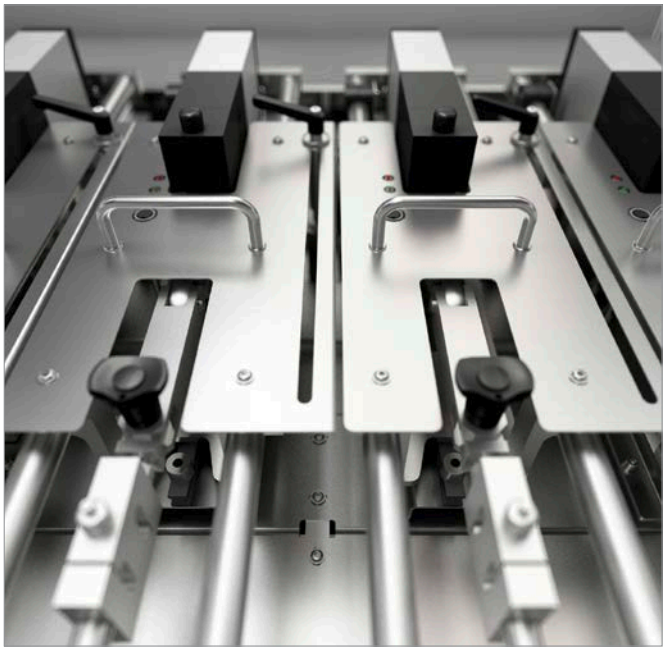
The tensile creep tester is intended for determining the resistance of plastic samples during a tensile creep test. When carrying out a test according to ISO 16770, the sample is subjected to a static tensile load in a temperature-controlled medium.

State-of-the-art

Release 08/ 2025

Prove quality by pulling your weight

The IPT tester is an all-rounder. 6 stations with 6 different temperatures from 40°C (optionally 20°C) up to 95°C and variable tensile phases up to 2,000 N can be programmed and operated independently of one another. The micro-processor-controlled unit is characterised by the high regulation accuracy of the tensile force and the distance measurement accuracy, as well as precise adherence to the pre-defined temperatures. Each of the 6 test stations consists of an independent tensile unit with separate controller (via PC) and separate test tank. The samples can be added, tests started and stopped, without other running samples being affected. Once the test parameters are set, the unit automatically takes control in combination with the specified process. The temperature controller of each of the 6 test baths and the unique re-circulation ensure a constant temperature level of ±0.5°C.



Standard features

- Data input, evaluation and documenting of testing data via IPT DataLogging software (PC)
- 6 stations can be programmed and operated independently of one another at 6 different test temperatures and variable tensile forces
- Easy clamping of the samples in clamping jaws
- Simple and safe guidance of the samples into the test tank without contact between the test personnel and medium
- High accuracy when regulating the load and distance measurement
- Precise temperature control
- Smooth and distortion-free transmission of force
- CE conformity

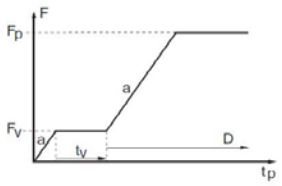
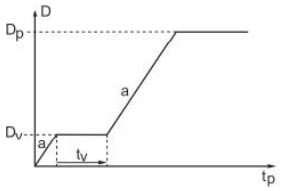
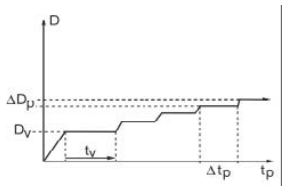
Options

- Available load cells: 200 N, 500 N, 1,000 N, 2,000 N
- Standard test tank with insulation (for test temperatures 40 – 95°C)
- Cooling and test tank with insulation (for test temperatures 20 – 95°C)
- Mounting aid
- Notch device for sample preparation
- Cooling system for conditioning the media tank up to 20°C +
- Test chamber
- Explosion protection EX II 2G T3
- Protected by a sliding door
- Volumetric flowmeter
- II 2G Ex c T6 +
- Extraction system

Design of TENSILE CREEP TESTER

		V1719-0001
Number of stations		6
Number of test tanks		6
Standard test tank with insulation	l	1.5
Cooling test tank with insulation	l	1.5
Level compensation		Automatic with dosing pump
Permissible media		Only media which match the specifications for the extraction system and the activated carbon filter are permissible
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity	%	Max. 70 non-condensing
Noise emission	dB(A)	< 70
Width x depth x height	mm	1,790 x 1,000 x 2,460
Weight	kg	Approx. 730 (fully equipped)
Voltage data		230/400 V, 50 Hz * Special voltage

TEST MODE

Test mode for creep test (constant force)	
Relaxation test mode (constant elongation)	
Settling test mode (gradual elongation)	

Accessories for TENSILE CREEP TESTER

Product	Description	Model no.
	Motorised notch device for sample preparation	1808
	Testing data management software IPTDataLogging®	1780