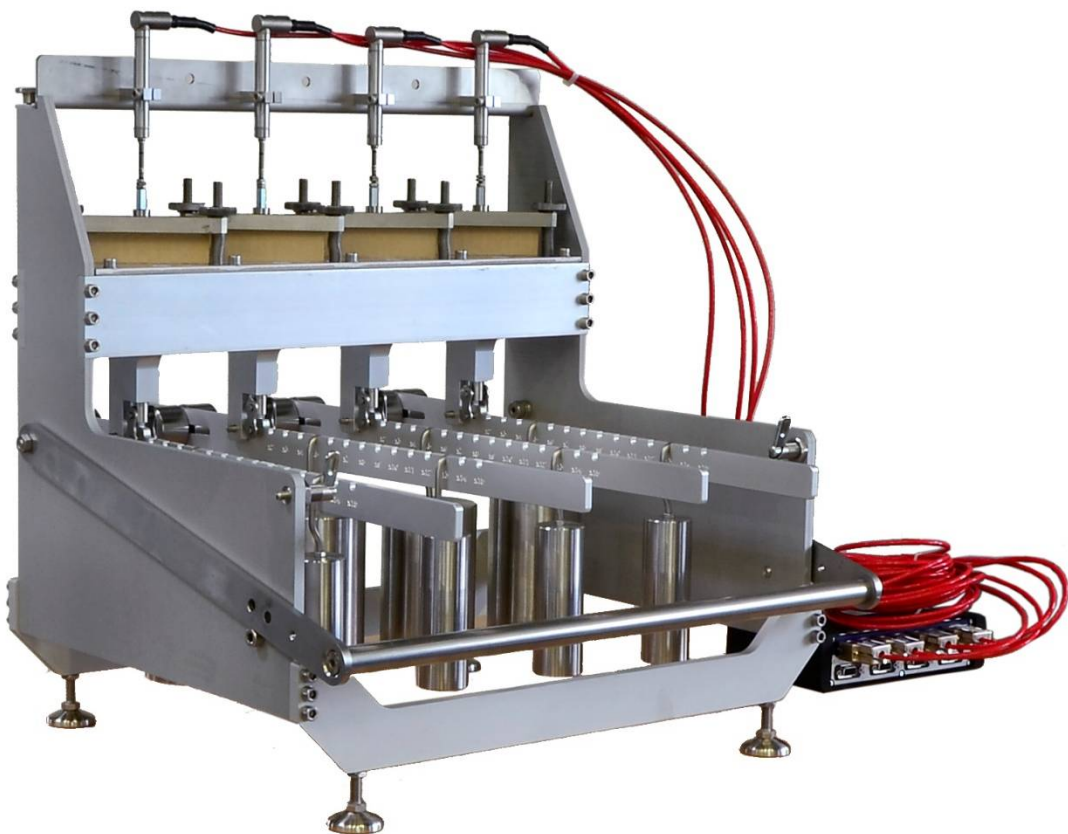




Product Information

Creep compressive test device for cardboard

under weight-loading in a climate chamber



Application:

The device for the creep compressive test in a climate chamber is intended for the testing of corrugated cardboard under climatic influence and loading by weights.

The device can also be used as a tabletop unit outside of a climate chamber.

Characteristics and mechanical design:

The device provides 4 spaces for the compression tests.

The stroke is received by digital travel sensors and submitted to an evaluation software.

The loading is carried out by weights.

Construction of the weight apparatus:

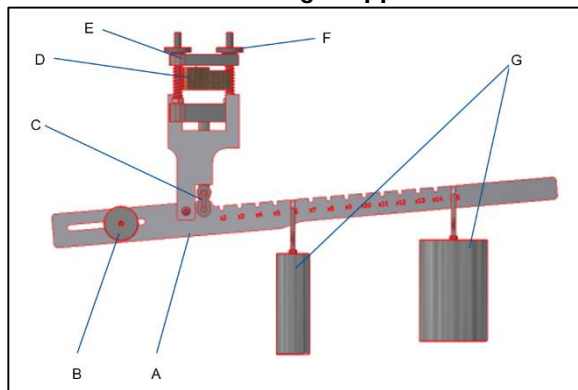


Fig. 1: side view test station

- A weight lever
- B counterweight
- C binder coupling
- D specimen
- E weight binder; pressure piece on the top
- F knurled screws
- G weights

Technical data:

maximum permitted test load per test station	600N
usable test stroke	3mm
maximum measuring stroke of the linear sensor	20mm
accuracy of the linear sensor	class 1 acc. to DIN EN ISO 9513
resolution of the linear sensor	1µm
dimensions (W x D x H)	520 x 570 x 570 [mm]
max. specimen dimensions (L x W x H)	100 x 25 x 15 [mm]
weight of the device without loading weights	19kg
temperature range	+10°C...+150°C
humidity	0%...95%

Included accessories:

bearing: upper part for the loading frame

bending probe: inductive linear sensor 20 mm, ht-version (150°C), 80mV/V, 3m+ TEDS-modul, mounted in the plug)



Fig. 2: detailed view pressure pieces and measuring sensors

Your contact person: