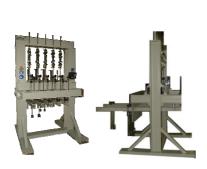


40-300-ff Creep Tester (mechanical/ dead weight)

Standards

DIN EN ISO 899-1/-2



Basic Rig/ Lever System





Automated Rig

Application

Manual and automated dead weight creep test rigs with loading up to 5 kN.

Features

The Coesfeld Creep Tester (dead weight) offers up to 10 measuring stations. A massive steel frame assures high stiffness, precision and durability. Exchangeable clamping systems for tension, bending and compression tests can be set-up. Optionally the rig can be equipped with load sensor, contact and contact free extensometers. The system can be automated with pneumatic actuators for precise loading sequences and automatic measuring data collection. Up to 10 stations can be fitted into the optional tempering or environmental test chamber.

Specifications

Measuring stations up to 10 (sequent extension of stations possible) Loading FN up to 500 N direct load/ up to 5 kN with lever

Force Sensor Exchangeable force package (500N, 1 kN, 2,5 kN, 5 kN, ...)

Force measuring accuracy 0,04 % FN

Loading Dead weight/ Dead weight with lever system

Camera up to 16 Mpx

Optical Lenses Precise Optical Lenses (optional telecentric) with day light filter

Light Infrared Light Resolution optical strain up to 0.5 µm

Test Chamber 2.000 W heating power

Heat exchanger with valve controlled closed loop cooling circuit

(-50°C)* +45°C to 250°C, *with external cooling, e.g. LN2, chiller, ... **Temperature**

Temperature uniformity +/-2 °C for T<150°C



Dimensions and Connection

Dimensions (WxDxH) < 2.000 x 1.500 x 2.200 mm

Weight < 2.000 kg
Mains depends
Power < 30 kW

Interfaces RJ-45 to PC

Air 6 bar, 6 mm hoses inlet

Cooling

12 mm hoses inlet and outlet for closed cooling circle
Others

optional: large volume connection for climatic conditioner

optional: hoses inlet and outlet for inert gas connection

Accessories

Incl.	Description
N	PC with WIN-Creep software
Ν	Force Sensor Package
Υ	Tension Grips
Ν	Three Point Bending Support
Ν	Four Point Bending Support
Ν	Compression Plates
Ν	Optical Strain Measurement System (Moving)
Ν	Optical Strain Measurement System (fixed per station)
Ν	Tempering Chamber incl. heater and controlled cooling connection
Ν	Chiller
Ν	Air Dryer
Ν	Environmental Conditioner
Ν	Inert Gas Connection

The Coesfeld Creep Tester (dead weighs) offers a variety of options to choose in machine specifications and detailed specs of accessories.

Please contact us for a detailed discussion of your measuring tasks.