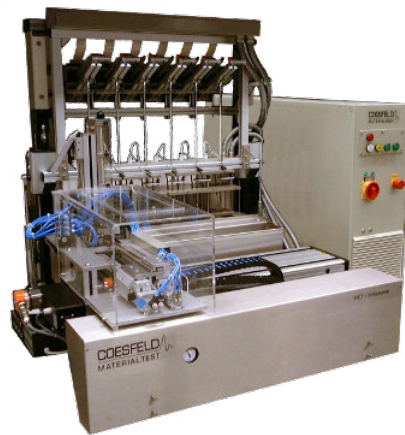




40-230 HDT Automat

Standards

DIN EN ISO 75, ASTM D648, (DIN 53461)



Application

The HDT automat allows a fully automated 24/7 measurement of the HDT heat deflection temperature.

Features

Weight appliance, sample measurement and sample feeding occur automatically. A high-performance cooling system allows recooling from 300°C down to room temperature in only 12 minutes. The sample magazine can hold up to 90 samples. Data acquisition and storage in ASCII-format is done by the included Coesfeld software. The user has permanent data presentation on the screen and can display HDT-Bending curves versus time or temperature.

Technical Data

Measuring stations	6
Recording of HDT-temperature	automatic
Displacement measurement	inductive, accuracy 0.01 mm
Temperature range	+20...+300°C, resolution better than: ± 0.1 K
Temperature gradient	arbitrary
Weight appliance	automatic, accuracy ± 1 g
Sample magazine capacity	90 samples (4x10x80 mm)
Sample measurement and feeding	automatic, resolution 0.01 mm
Bath volume	approx. 35 l
Cooling water temperature	10°C (optimal)



DIN EN
ISO 9001



Deutsche
Akkreditierungsstelle
DIN EN ISO
D-K-15093-01-00
IEC 17025



Dimensions and Connection

Dimensions (WxDxH)	1480 x 1300 x 1100 mm (with control cabinet)
Weight	approx. 195 kg (without control cabinet)
Mains	400V-3P/N/PE/16A, 50Hz
Power	4000 VA
Interfaces	RS232
Air	pressurized air supply, 6-10 bar
Cooling	heat exchanger, automatic
Others	n.a.

Accessories

incl.	Articlenumber	Description
6	40-192	HDT compression fin
1	40-194-001	HDT calibrating and centring tool for aligning the HDT compression fin
-	40-198	Weight calibration set for HDT Automat
-	40-212-006	Heat transfer liquid (silicone oil, 5 l container)
-	40-212-005	Heat transfer liquid (silicone oil, 10 l container)