

HTR 102/302 compact



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The HTR 102/302 compact is the unique fusion of a MCR 102 or MCR 302 rheometer with an automated workflow in benchtop design for the measurement of up to 36 samples.

Fully automated sample handling and cleaning procedures for Anton Paar's MCR rheometers on a compact benchtop scale

The HTR 102/302 compact is an automated rheometer for the measurement of up to 36 samples. With this brand-new unit you can run your measurements in rotating or oscillating mode. HTR 102/302 compact uses an MCR 102 or MCR 302 rheometer and contains many novel features in a benchtop design like a station for tempering your samples, automated capping/decapping device, an integrated cleaning station. It is able to handle CC27 and smaller sample cups. HTR 102/302 compact supports a wide range of rheological applications ranging from food and polymers to paintings and coatings.

Specifications	
Installation requirements	
Dimensions (W x D x H)	1570 mm x 805 mm x 830 mm
Weight	150 kg
Interface to customer	Ethernet
Ambient temperature	25 °C (max. 35 °C, min. 10 °C air temperature, non-condensing)
Power ratings	230 V, 16 A, 50 Hz
Pneumatic ratings	min. 6 bar, max. 8 bar, flow rate: 100 NL/minute, oil-free
Control Unit	
External PC min. hardware requirements (not included in the delivery)	<ul style="list-style-type: none"> - i5 Processor - 8 GB Ram or higher - 128 GB HDD or higher - 2 network adapters - HDMI interface - Min. 4x USB
Operating system	Min. Windows 7 Professional
Software	Anton Paar Control Software
Data transfer	via LIMS as CSV or SQL
Code scanner	Datamatrix, QR code, other codes on request
Cleaning	
Cleaning agent	Demineralized water or inflammable solvents
Min. solvent volume	100 mL per sample
Drying	Pressurized air
Max. container volume of solvent	Direct connection with 2 bar to 4 bar
Max. waste volume	Direct drain connection
Sample	
Min. sample volume (mL)	20 mL for CC27
Typical measuring cycle	5 min
Max. throughput per day	250 samples
Temperature range	Depends on measuring geometry, min. -30 °C to max. +200 °C Waterbath circulator can be supplied optionally
Sample tray	
Dimensions (WxD)	200 mm x 450 mm
Number of cups	2 x 18

Your distributor: