

TECHNICAL SPECIFICATION

CALEVA MIXER TORQUE RHEOMETER (MTR)



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Measure, capture, and characterise wet granulation properties using small quantities of material with the Mixer Torque Rheometer (MTR) from Caleva. Quantitative data provides critical insights into your formulation, enabling you to remove the guesswork and accelerate end point determination for your granulation.

Suitable for use in a wide range of industries, the small batch capability makes it ideal for research, formulation development, scale up, and for quality control within production environments.



- ✓ Intuitive User Interface
- ✓ Automatic and Manual Mode Operation
- ✓ Easy-to-Program Recipes
- ✓ Automatic Binder Addition
- ✓ Pump & Load Cell Calibration Procedures
- ✓ Real-Time Data Displayed on Screen
- ✓ Ambient & Process Temperature Capture
- ✓ Microscope Image Capture
- ✓ Automatic Data Capture
- ✓ Data Export in .csv Format
- ✓ Add Observation Notes During Experiments
- ✓ Option to Pause Experiments

Standard Product Configuration:

- 230V 50/60Hz – Part Number: MTR-230
- 110V 50/60Hz – Part Number: MTR-110

Electrical Supply: 1ph 230V or 110V

Connectivity: 2 x USB3, 2 x USB2

Base Machine Mass: 34kg

Base Machine Dimensions: 505 (W) x 600 (D) x 420 (H) mm

Machine Cabinet: Polyurethane and 304 Stainless Steel

Product Contact: 316 Stainless Steel and FDA food approved plastics

Processing Temperature Range: 5°C to 60°C



Certificate Number: 1503



Mixer Attachment



Processing Capacity: 15 to 40g / 30 to 80ml (formulation and bowl dependent).

Blade Rotation Speed: Primary blade 10 to 250 RPM

Mixer Bowl: Intermeshing counter rotating blades for high shear applications. Other bowl options include a half bowl for scarce materials, a sigma bowl for higher viscosity materials, and water jacketed options.



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