

Granulate Flow Tester GT



GT-B for automatic determination of the sample repose angle* and with optional stirring device*.

The ERWEKA GT has been designed to determine flow properties of powders and granules according to four different measuring methods:

- determination of flow time of the pre-defined sample weight (according to EP)
- determination of flow time of the pre-defined sample volume
- determination of weight of the sample which flows within a pre-defined time
- ratio of flow time and sample weight presented in the form of graphical curve with a subsequent calculation of the cotangents of the flow angle $\alpha = \arctan(\text{weight}/\text{time})$

Where samples exhibit poor flowability, the hopper is available with a stirring device* with variable speed control.

Features GT

- Flexible determination of flow properties with four different measuring methods
- Special precise integrated balance can be detached from the tester and used independently
- Results are shown at the illuminated 320 digit 16-line full-graphic LC display
- Easy and fast exchangeable stainless steel nozzles (3 different size) by a quick coupling
- Easy programming by the alpha-numeric touch-sensitive foil keypad
- RS232C Interface for data output and firmware update
- USB Interface for print out the results, graph and statistics

Options*

- + Stainless steel hoppers, 100 ml or 200 ml
- + Stainless Steel outlet nozzles, 6, 8, and 11.3 mm
- + automatic determination of the sample repose angle according to Pfrengle (GTB)
- + Stirring device for poor flowable samples
- + Qualification tool kit for GT
- + Calibration weights for readjustment of the integrated balance
- + IQ / OQ documents

Technical Data

Keypad	Alpha-Numeric membrane keypad with additional function keys
Display	320 Digi 16-line graphic LC Display, illuminated
Hopper	Stainless steel, 480 ml, quick-change System
Outlet nozzle	Stainless steel. 3 different diameters 10 / 15 / 25 mm
Interface(s)	RS232C USB

Balance

Precisions balance	Mettler Toledo Panda 7/SG
Maximum load	7000 g
Accuracy	0,1 g
Dimensions	700mm (height) / 430mm (width) / 400mm (depth) / 25kg (weight)
Voltage	100-240V / 50-60Hz

ERWEKA GTB

The GTB offers in addition to the standard flow properties the measurement of the angle of repose according to Pfrengle: the powder or granulate falls onto a plate with a specified surface and creates a cone. An integrated driven laser measures the side wall of the built-up cone and the actual angle is calculated and displayed and/or printed.