

ME Semi-Micro Balances

Everyday Essentials



High Quality Weighing Cell

With METTLER TOLEDO's EMFC weighing cell, you can be sure of accurate and reliable performance. The high stability provides fast results so you can get your tasks done quickly and with confidence.



Convenient Levelling

Levelling your balance is easy thanks to the large adjusting feet. The level indicator is at the front so it is easy to check the level and ensure your balance is working accurately.



Made for Intense Use

With a metal base, stainless steel weighing pan and overload protection, these balances can withstand intense use in tough environments. Smooth surfaces and rounded edges make them easy to clean and maintain.



Built-In Adjustment

Maintain accuracy without external calibration weights. Internal test weights make it simple for you to test and adjust your balance at any time with just the touch of a button.



All the Basic Functions You Need For Everyday Weighing

ME Semi-micro balances offer you all the essential functionalities you need to carry out your daily weighing tasks accurately and efficiently. One-touch balance adjustment and robust construction mean you can be sure of consistently reliable results, day after day.

High quality components, practical features and an affordable price tag make ME Semi-micro balances an essential in every laboratory.

ME Analytical Balances — Model Overview

Technical Specifications	ME155DU	ME55
Limit values		
Capacity	152 g	52 g
Capacity of fine range	42 g	-
Nominal load	140 g	50 g
Readability	0.1 mg	0.01 mg
Readability in fine range	0.01 mg	-
Repeatability	0.1 mg	0.03 mg
Repeatability in fine range	0.03 mg	-
Linearity deviation	0.2 mg	0.1 mg
Eccentricity deviation (at test load)	0.2 mg (50 g)	0.1 mg (20 g)
Sensitivity offset (at nominal load) ¹⁾	0.8 mg	0.4 mg
Sensitivity temperature drift ²⁾	0.0002 %/°C	0.0002 %/°C
Typical values		
Repeatability	0.08 mg	0.02 mg
Repeatability in fine range	0.02 mg	-
Linearity deviation	0.10 mg	0.05 mg
Eccentricity deviation (at test load)	0.15 mg (50 g)	0.08 mg (20g)
Minimum weight (USP, tolerance = 0.10%) ³⁾	40 mg	40 mg
Minimum weight (tolerance=1%) ³⁾	4 mg	4 mg
Settling time	8 s	8 s
Adjustment	Internal	Internal
Balance dimensions (W x D x H)	210 x 344 x 344 mm	210 x 344 x 344 mm
Weighing pan diameter	80 mm	80 mm
Usable height of draft shield	234 mm	234 mm
Balance weight	4.7 kg	4.7 kg

Features

Accurate Results	Electromagnetic Force Compensation (EMFC) weighing cell Internal adjustment OIML/NTEP approved
Efficient Operation	Bright and clear LCD display Menu lock Date and time Secondary display option Front level indicator 16 weighing units Hook for weighing below the balance 10 built-in applications
Quality	Metal base Stainless steel platform and pan Overload protection Small footprint
Connectivity	RS232 interface Bluetooth option Built-in PC direct function for easy data transfer

Applications

Formulation, Totalling, Dynamic Weighing, Piece Counting, Density Determination, Percent Weighing, Check Weighing, Statistics, Multiplication Factor, Division Factor

Accessories



RS-P25 Printer
Ensure accurate documentation.



Density Kit
For quick and easy determination of solid samples.



Bluetooth Adapter
Wirelessly transfer data between the balance and a printer or PC.



CarePac Test Weights
Routine testing with just two weights ensures ongoing accuracy.



Protective Cover
Extra protection against dust and dirt.

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