

## For Your Essential Needs Worry-free Weighing



### Intuitive touch operation

The unit's large 4.5" color TFT touch-screen with clear icons and intuitive guidance enables users to operate it quickly - even while wearing cloth or rubber gloves. Multilingual text and graphics walk you through every step of your weighing procedures.



### Accuracy ensured

An Electromagnetic Force Compensation (EMFC) weighing cell with Fully Automated Calibration Technology (FACT) delivers consistently reliable results and automatically adjusts the balance. Built-in overload protection helps to ensure long balance life.



### Easy to use

Eight embedded applications including checkweighing, totaling and formulation allow operators to start working right away. Sample IDs and passcode protection make sure settings are not changed by unauthorized personnel.



### Easy data handling

Multiple interfaces support barcode reader, printer and PC connections for easy traceability and data handling. USB and RS232 connectivity along with an optional Bluetooth adapter simplify data upload and transfer.



### ME-T Precision Balances

#### Essential Functionality, Solid Performance

Whether you work on a factory floor or in a lab, you need a balance that combines essential weighing functions with ease of use to deliver accurate and reliable results day after day.

METTLER TOLEDO's ME-T Precision balances are ideal for routine weighing procedures. An intuitive touchscreen makes daily tasks as simple as possible while built-in features give operators everything they need to weigh with the accuracy, repeatability and traceability required.

The metal base housing and a high quality finish make ME-T robust enough for tough environments, while smooth surfaces make it easy to maintain and clean. This versatile scale is built to perform - and last!

ME-T Precision Balances	ME103T	ME203T	ME303T	ME403T	ME503T	ME1002T	ME2002T	ME3002T	ME4002T	ME5002T	ME4001T
	ME103TE	ME203TE	ME303TE	ME403TE	ME503TE	ME1002TE	ME2002TE	ME3002TE	ME4002TE	ME5002TE	ME4001TE
<b>Limit values</b>	<b>1 mg</b>					<b>0.01-0.1 g</b>					
Maximum capacity	120 g	220 g	320 g	420 g	520 g	1200 g	2200 g	3200 g	4200 g	5200 g	4200 g
Readability	1 mg	1 mg	1 mg	1 mg	1 mg	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g
Repeatability (at nominal load)	1 mg	1 mg	1 mg	1 mg	1 mg	0.01 g	0.01 g	0.01 g	0.01 g	0.01 g	0.1 g
Linearity deviation (test load)	2 mg (20 g)	2 mg (50 g)	2 mg (50g)	2 mg (100g)	2 mg (100 g)	0.02 g (200 g)	0.02 g (500 g)	0.02 g (500 g)	0.02 g (1000 g)	0.02 g (1000 g)	0.2 g (1000 g)
<b>Typical values</b>											
Repeatability, typical (sd)	0.7 mg	0.7 mg	0.7 mg	0.7 mg	0.7 mg	0.007g	0.007 g	0.007g	0.007g	0.007 g	0.07 g
Linearity, typical	0.6 mg	0.6 mg	0.6 mg	0.6 mg	0.6 mg	0.006 g	0.006 g	0.006 g	0.006 g	0.006 g	0.07 g
Eccentricity deviation (test load) <sup>1)</sup>	1.5 mg (20g)	1.5 mg (100g)	1.5 mg (100g)	1.5 mg (200g)	1.5 mg (200g)	0.01 g (500 g)	0.01 g (1000 g)	0.015 g (1000g)	0.015 g (2000g)	0.015 g (2000g)	0.025 g (2000g)
Sensitivity offset (test weight)	2 mg (50g)	2 mg (200g)	2 mg (300g)	3.5 mg (400g)	3.5 mg (500g)	0.018 g (1000 g)	0.018 g (2000 g)	0.018 g (3000 g)	0.018 g (4000 g)	0.018 g (5000 g)	0.24 g (4000 g)
Minimum sample weight (acc. to USP)	1400 mg	1400 mg	1400 mg	1400 mg	1400 mg	14 g	14 g	14 g	14 g	14 g	120 g
Minimum sample weight (U=1%, k=2)	140 mg	140 mg	140 mg	140 mg	140 mg	1.4 g	1.4 g	1.4 g	1.4 g	1.4 g	12 g
Settling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.0 s
<b>Dimensions</b>											
Weighing pan	120 mm (Ø)	120 mm (Ø)	120 mm (Ø)	120 mm (Ø)	120 mm (Ø)	180 x 180	180 x 180	180 x 180	180 x 180	180 x 180	180 x 180

<sup>1)</sup> According to OIML R76

## Features

Accurate Results	Electromagnetic Force Compensation (EMFC) weighing cell FACT internal adjustment or external calibration Metal base
Efficient Operation	Large 4.5" color TFT touchscreen Statistical data analysis Overload protection
Quality Assurance	Input of up to 4 sample IDs Passcode protection 15 available languages
Seamless Processing	3 interfaces - USB device, USB host and RS232 Bluetooth option PC Direct for easy data transfer



METTLER TOLEDO balances can be customized with accessories and peripheral devices to meet the needs of virtually any application. Our carefully designed accessories make your work easier, convenient and help increase efficiency.



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Subject to technical changes  
© 08/2015 Mettler-Toledo AG  
Printed in Switzerland 30272255  
Global MarCom Switzerland / MC

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