Big Features Go Compact
Worry-free Weighing

Intuitive interface simplifies operation

The large 4.5″ color TFT touchscreen with clear icons and intuitive guidance enables users to operate quickly even while wearing cloth or rubber gloves. Multilingual text and graphics walk you through every step of weighing procedures.
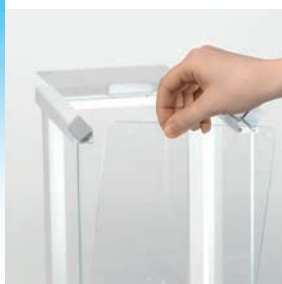
MinWeigh function ensures process tolerances

The weight value remains red until the net sample is above the pre-programmed minimum value. A user-defined minimum weight can also be programmed into the balance to provide an additional safety factor.

Built-in function simplifies balance leveling

The built-in LevelControl function issues a warning when the balance is not level and provides onscreen guidance to help you level the balance correctly within seconds.

Quick and easy cleaning

Remove, clean and reinsert all of the glass panels with QuickLock in just a few simple steps, without tools and without moving the balance. The balance housing has smooth, rounded edges for easy cleaning.

ML-T Analytical Balances
Small in Size, Big on Features

With ever increasing demands from ISO, GLP and GMP, for example, you need a balance which can support your everyday weighing tasks with powerful integrated applications!

With a high performance weighing cell, many security features and intuitive user guidance, ML balances give you confidence in your results. You can rest assured that your documentation meets the relevant regulations too – up to 4 ID numbers, the balance serial number and lots more can all be automatically included on your results printout. To increase efficiency, many peripheral devices and options can be connected to a total of three interfaces.

METTLER TOLEDO

MS-TS Analytical Balances 0.1 mg

Technical Specifications	ML54T	ML104T	ML204T	ML304T
Limit values				
Maximum capacity	52 g	120 g	220 g	320 g
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Repeatability (at nominal load)	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Linearity deviation (test load)	0.2 mg (10 g)	0.2 mg (20 g)	0.2 mg (50 g)	0.2 mg (50 g)
Typical values				
Repeatability, typical (sd)	0.08 mg	0.08 mg	0.08 mg	0.08 mg
Linearity deviation	0.06 mg	0.06 mg	0.06 mg	0.06 mg
Eccentricity deviation (test load)[1]	0.1 mg (20 g)	0.1 mg (50 g)	0.12 mg (100 g)	0.12 mg (100 g)
Sensitivity offset (test weight)	0.1 mg (50 g)	0.2 mg (100 g)	0.24 mg (200 g)	0.6 mg (300 g)
Minimum sample weight (acc. to USP)	120 mg	120 mg	120 mg	120 mg
Minimum sample weight (U=1%, k=2)	12 mg	12 mg	12 mg	12 mg
Settling Time	2 s	2 s	2 s	3 s
Weighing pan dimensions (Ø)	90 mm	90 mm	90 mm	90 mm

[1] according to OIML R76

Features

Accurate Results	MonoBloc weighing cell
	Overload protection
	FACT internal adjustment with advanced test features
	MinWeigh warning function
	Metal bottom housing
Efficient Operation	Large 4.5" color TFT touchscreen
	LevelControl function
	Statistical data analysis
	Easy cleaning thanks to QuickLock
Quality Assurance	ISO-Log
	Sample ID input
	Passcode protection
Seamless Process	3 interfaces - USB device, USB host and RS232
	Bluetooth option
	PC direct for easy data transfer

Accessories

P-5x thermal printers

Fast, high quality printouts on paper, self-adhesive labels and continuous self-adhesive paper (including barcodes).

Bluetooth adapters

Wirelessly send data between the balance and a PC, tablet or printer. No additional software needed.

SmartPrep™

Single-use, antistatic funnels enable safe and fast weighing-in of powders. Simply weigh, transfer and rinse.

Density kit

Dedicated kit for determining the density of solid and liquid substances with the built-in application.

U-electrode

The freestanding U-Electrode removes electrostatic charges on samples and containers.

For further information on accessories, please visit **www.mt.com/lab-accessories**

www.mt.com/mlt-analytical

For more information