

## Big Features Go Compact Worry-Free Weighing



### Intuitive 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.



### Ensured 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.



### Simplified balance levelling

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.

## ML-T Analytical Balances 0.1 mg

Technical Specifications	ML54T	ML104T	ML204T	ML304T
<b>Limit values</b>				
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)
<b>Typical values</b>				
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) <sup>1)</sup>	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)	160 mg	160 mg	160 mg	160 mg
Minimum sample weight (U = 1%, k = 2)	16 mg	16 mg	16 mg	16 mg
Settling Time	2 s	2 s	2 s	3 s
Weighing pan dimensions (∅)	90 mm	90 mm	90 mm	90 mm

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



### Features

<b>Accurate Results</b>	<ul style="list-style-type: none"> <li>MonoBloc weighing cell</li> <li>Overload protection</li> <li>FACT internal adjustment with advanced test features</li> <li>MinWeigh warning function</li> <li>Metal bottom housing</li> </ul>
<b>Efficient Operation</b>	<ul style="list-style-type: none"> <li>Large 4.5" color TFT touchscreen</li> <li>LevelControl function</li> <li>Statistical data analysis</li> <li>Easy cleaning thanks to QuickLock</li> </ul>
<b>Quality Assurance</b>	<ul style="list-style-type: none"> <li>ISO-Log</li> <li>Sample ID input</li> <li>Passcode protection</li> </ul>
<b>Seamless Process</b>	<ul style="list-style-type: none"> <li>3 interfaces – USB device, USB host and RS232</li> <li>Bluetooth option</li> <li>PC direct for easy data transfer</li> </ul>

### Accessories

#### P-50 Excellence 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](http://www.mt.com/lab-accessories)

**GWP®**  
Good Weighing Practice™  
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