Reliable Results for Years to Come
Follow the Green Light

StaticDetect™– Sample OK
The new embedded technology automatically detects static charges and warns you when your results are out of tolerance. For the highest process security, you can employ antistatic measures to neutralize the charge and ensure the most accurate of results.

StatusLight™ – Secure Weighing
The StatusLight uses color to indicate intuitively the status of the balance. Green means ready, yellow is a warning and errors are shown with red. The clearly visible light communicates if the balance is ready for you to start your weighing task.

Cleaning – Easy and Safe
All parts of the inner and outer draft shield can be dismantled in seconds for the easiest, fastest and most thorough cleaning tasks.

LabX – Seamless Processes
LabX laboratory software provides flexible SOP user guidance on the balance touchscreen. Automatic data handling, calculations and report generation eliminate transcription errors and assure full traceability.

XPE Micro-analytical Balances
High Accuracy for Very Small Samples

Are your samples very valuable? Are they only available in small quantities or effective in just the tiniest of doses? Or perhaps you want to weigh with a larger tare container? XPE micro-analytical balances display unsurpassed accuracy even with the smallest of samples.

The XPE56 microbalance has a unique maximum capacity of 52 g with readability 0.1 μg, providing a resolution of 52,000,000 points. Highly sensitive, and yet robust, the XPE56 is perfect for weighing the smallest samples directly into larger tare containers.

METTLER TOLEDO

XPE Micro-analytical Balances

Limit Values	XPE26	XPE26DR	XPE56	XPE56DR
Maximum capacity	22 g	22 g	52 g	52 g
Readability	0.001 mg	0.01 mg	0.001 mg	0.01 mg
Readability, fine range	-	0.002 mg	-	0.002 mg
Tare range (from … to)	0 … 22 g	0 … 22 g	0 … 52 g	0 … 52 g
Maximum capacity, fine range	-	0 … 5.1 g	-	0 … 11 g
Repeatability (nominal) (sd)	0.0025 mg (20g)	0.008 mg (20g)	0.006 mg (50g)	0.014 mg (50g)
Repeatability (5% load) (sd)	0.0015 mg	0.002 mg	0.0015 mg	0.002 mg
Linearity deviation	0.006 mg	0.01 mg	0.02 mg	0.03 mg
Eccentricity (test load)[1]	0.02 mg (10 g)	0.025 mg (10 g)	0.125 mg (20 g)	0.035 mg (20 g)
Sensitivity offset (test weight)	0.08 mg (20 g)	0.1 mg (20 g)	0.06 mg (50 g)	0.15 mg (50 g)
Sensitivity temperature drift [2]	0.0001%/°C	0.0001%/°C	0.0001%/°C	0.0001%/°C
Sensitivity stability [3]	0.0001%/a	0.0001%/a	0.0001%/a	0.0001%/a
Typical values				
Repeatability (5% load) (sd)	0.0007 mg	0.0012 mg	0.0007 mg	0.0012 mg
Linearity deviation	0.003 mg	0.0048 mg	0.01 mg	0.015 mg
Eccentricity (test load)[1]	0.006 mg (10g)	0.008 mg (10g)	0.012 mg (20g)	0.016 mg (20g)
Sensitivity offset (test weight)	0.04 mg (20g)	0.048 mg (20g)	0.06 mg (50g)	0.08 mg (50g)
USP minimum sample weight (5% load, k=2, U=0.10%)	1.4 mg	2.4 mg	1.4 mg	2.4 mg
Minimum sample weight (5% load, k=2, U=1%)	0.14 mg	0.24 mg	0.14 mg	0.24 mg
Settling time	3.5 s	2.5 s	3.5 s	2.5 s
Settling time, fine range	-	3.5 s	-	3.5 s

[1] according to OIML R76; [2] in the temperature range 10 to 30°C; [3] Stability of sensitivity with proFACT self-adjustment switched on; s: seconds; a: year (annum); sd: standard deviation

Features

Accurate Results

High resolution technology
proFACT Advanced
Internal adjustment with sensitivity testing
Internal temperature control
StaticDetect™

Efficient Operation

Color touchscreen
11 languages
ErgoClip micro for direct dosing
Easy cleaning
SmartGrid micro hanging weighing pan
SmartTrac guided dosing to target
Automatic inner and outer draft shield
SmartSens for hands-free operation

Quality Assurance

Graphical leveling and level warning
MinWeigh protection
TestManager™
FACT, GWP and Admin history
8 users and password protection
StatusLIght™

Seamless Process

LabX ready
RFID communication ready
Compact ionizer ready
Built-in RS232 and optional 2nd interface

Accessories

ErgoClips micro
With our range of ErgoClip micro holders, you can directly dose into tare containers, thus ensuring the lowest minimum weight and helping to avoid sample transfer errors.

Connectivity
With optional 2nd interfaces, such as Bluetooth, Ethernet and RS232, your data is secure and compliant, and any printouts are contamination free.

EasyScan™
Check testing and calibration dates on RFID tagged pipettes. Record new test dates when you test using the balance application.

Antistatic kits
The compact ionizer fixes onto your balance to gently remove charge from the weighing chamber. Free-standing units also available.

Printers
The robust P-50 series lab printers produce archival-quality printouts on paper as well as continuous and peel-off labels.

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

www.mt.com/micro

For more information