

Reliable Results for Years to Come

Follow the Green Light



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.



Eliminating Charge – Sample OK

The compact antistatic kit fixes onto the side of your balance to gently and effectively eliminate electrostatic charge without causing turbulence in the weighing chamber. Results are more accurate and cross-contamination is avoided.



RFID Solutions – simple process

SmartSample™ RFID tags enable secure transfer of titration sample information from your balance to your titrator. SmartScan™ checks test and calibration dates on tagged pipettes. The built-in application guides you through the pipette check process.



XSE Analytical Balances Exceptionally Hard-working

XSE analytical balances offer exceptional weighing performance and quality assurance features as well as excellent ergonomics. They are the perfect workhorse solution for a multitude of workplaces.

The innovative StatusLight takes the worry out of weighing. The clearly visible green light lets you know when it's safe to start – all tests are up-to-date and the balance is level and functioning correctly.

With a wide range of accessories available and multiple connectivity options, XSE balances open up a world of opportunities for different weighing applications.

Designed, engineered and manufactured in Switzerland for outstanding quality you can trust.

Standard Preparation 30. Jun 2013 13:52
LabX Joanne

Net **0.026845 g**

Substance	Vanillin	<input type="checkbox"/>
Standard ID	A2536	<input type="checkbox"/>
Concentration	35.00 mmol/l	<input type="checkbox"/>
Flask Size	5 ml	<input type="checkbox"/>
Mol Mass	152.150 g/mol	<input type="checkbox"/>

Dose 0.026626 g of Vanillin
Observe SmartTrac while dosing

Ctrl OK

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.

XSE Analytical Balances

Limit Values	XSE105DU	XSE104	XSE205DU	XSE204
Maximum capacity	120 g	120 g	220 g	220 g
Readability	0.1 mg	0.1 mg	0.1 mg	0.1 mg
Readability, fine range	0.01 mg	–	0.01 mg	–
Tare range (from ... to)	0 ... 120 g	0 ... 120 g	0 ... 220 g	0 ... 220 g
Maximum capacity, fine range	41 g	–	81 g	–
Repeatability (nominal) (sd)	0.1 mg (100 g)	0.1 mg (100 g)	0.1 mg (200 g)	0.1 mg (200 g)
Repeatability (5% load) (sd)	0.01 mg	0.04 mg	0.01 mg	0.04 mg
Linearity deviation	0.2 mg	0.2 mg	0.2 mg	0.2 mg
Eccentricity (test load) ¹	0.3 mg (50 g)	0.3 mg (50 g)	0.3 mg (100 g)	0.3 mg (100 g)
Sensitivity offset (test weight)	0.8 mg (100 g)	1 mg (100 g)	0.8 mg (200 g)	1 mg (200 g)
Sensitivity temperature drift ²	0.00015%/°C	0.00015%/°C	0.00015%/°C	0.00015%/°C
Sensitivity stability ³	0.0002%/a	0.0002%/a	0.0002%/a	0.0002%/a
Typical values				
Repeatability (5% load) (sd)	0.01 mg	0.04 mg	0.01 mg	0.04 mg
Linearity deviation	0.13 mg	0.13 mg	0.13 mg	0.13 mg
Eccentricity (test load) ¹	0.15 mg (50 g)	0.15 mg (50 g)	0.16 mg (100 g)	0.16 mg (100 g)
Sensitivity offset (test weight)	0.4 mg (100 g)	0.6 mg (100 g)	0.6 mg (200 g)	0.8 mg (200 g)
USP minimum sample weight (5% load, k=2, U=0.10%)	20 mg	82 mg	20 mg	82 mg
Minimum sample weight (5% load, k=2, U=1%)	2 mg	8.2 mg	2 mg	8.2 mg
Settling time	1.5 s	1.5 s	1.5 s	1.5 s
Settling time, fine range	3 s	–	3 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 & sensitivity test Repeatability at 5% load, 10 µg
Efficient Operation	Color touchscreen User interface in 11 languages ErgoClips for direct dosing Easy cleaning SmartGrid hanging weighing pan SmartTrac guided dosing to target
Quality Assurance	Graphical leveling & level warning MinWeigh protection TestManager™ FACT & GWP history 8 users & password protection StatusLight
Seamless Process	LabX ready RFID communication ready Compact Antistatic Kit ready Built-in RS232 interface Optional 2nd interface

Accessories



AntiStatic kits

Free-standing AntiStatic kits remove electrostatic charge from samples and containers. Compact unit also available (attaches to the balance).



SmartSample™ RFID tags

Transfer titration sample information securely from your balance to your titrator via the titration beaker.



EasyScan™

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



ErgoClips

Dose directly into your container. ErgoClips hold a range of different shaped vessels securely on your balance.



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

GWP®
Good Weighing Practice™
www.mt.com/GWP



Mettler-Toledo AG
Laboratory Weighing
CH-8606 Greifensee, Switzerland
Tel. +41 44 944 22 11
Fax +41 44 944 30 60

Subject to technical changes
© 07/2014 Mettler-Toledo AG
30094817
Global MarCom Switzerland

www.mt.com/xse-analytical

For more information