Reliable Results for Years to Come
Follow the Green Light

Fast, Stable Results
Included as standard on all 1, 5 and 10 mg balances, the SmartPan™ weighing pan minimizes the effects of air currents on the weighing cell to deliver results up to two times faster. Repeatability values are improved up to two-fold.

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

Ergonomic Space Saver
Get high performance on a small footprint with our 0.1 and 1 mg readability models. The compact draft shield has all-round access for handling large items. The stand helps to protect the display from spills and makes it easier to read.
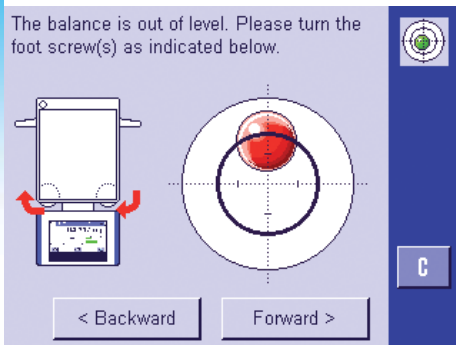
Easy Leveling
The new LevelGuide™ provides you with a warning when the balance is not level. Full instructions and a graphical bubble are shown on the touchscreen so you can level your balance in seconds.

XPE-S Precision Balances
Accurate Results Even in Difficult Conditions

XPE-S small platform precision balances provide outstanding weighing performance and support the highest requirements for safety, efficiency and ease of compliance.

The extraordinary stability provided by the innovative SmartPan™ weighing pan makes it possible to weigh-in with 1 mg readability without a draft shield. Even in a fume cupboard, 5 and 10 mg models deliver results twice as fast. In addition, SmartPan improves repeatability up to two-fold.

Quality management features take the worry out of weighing and provide you with a high level of trust in your results: the built-in Test Manager keeps routine tests under control, StatusLight gives you the go-ahead when it's safe to start your weighing tasks, and the electronic LevelGuide ensures your balance is perfectly levelled.

METTLER TOLEDO

Balance Model	XPE204S	XPE404S
Limit Values		
Maximum Capacity	210 g	410 g
Readability	0.1 mg	0.1 mg
Repeatability	0.2 mg	0.1 mg
Linearity deviation	0.2 mg	0.2 mg
Typical Values		
Repeatability	0.12 mg	0.06 mg
Linearity deviation	0.07 mg	0.07 mg
Sensitivity offset (test weight)	0.4 mg (200g)	0.48 mg (400g)
USP MinWeight (k=2, U=0.10%, 5% load)	240 mg	120 mg
MinWeight (k=2, U=1%, 5% load)	24 mg	12 mg
Settling time	2 s	2 s
Dimensions		
Weighing Pan Size (mm)	Ø 90	Ø 90
SmartPan included	No	No

Balance Model	XPE303S	XPE303SN	XPE603SDR	XPE603SDRN	XPE603S	XPE603SN
Limit Values						
Maximum Capacity	310 g	310 g	610 g	610 g	610 g	610 g
Maximum Capacity, fine range	-	-	120 g	120 g	-	-
Readability	1 mg	1 mg	10 mg	10 mg	1 mg	1 mg
Readability, fine range	-	-	1 mg	1 mg	-	-
Repeatability	0.9 mg	0.9 mg	6 mg	6 mg	0.9 mg	0.9 mg
Repeatability, fine range	-	-	1 mg	1 mg	-	-
Linearity deviation	2 mg	2 mg	6 mg	6 mg	2 mg	2 mg
Typical Values						
Repeatability	0.5 mg	0.5 mg	4 mg	4 mg	0.5 mg	0.5 mg
Repeatability, fine range	-	-	0.8 mg	0.8 mg	-	-
Linearity deviation	0.6 mg	0.6 mg	0.7 mg	0.7 mg	0.7 mg	0.7 mg
Sensitivity offset (test weight)	1.2 mg (300 g)	1.2 mg (300 g)	6 mg (600 g)	6 mg (600 g)	1.2 mg (600 g)	1.2 mg (600 g)
USP MinWeight (k=2, U=0.10%, 5% load)	1 g	1 g	1.6 g	1.6 g	1 g	1 g
MinWeight (k=2, U=1%, 5% load)	100 mg	100 mg	160 mg	160 mg	100 mg	100 mg
Settling time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Dimensions						
Weighing Pan Size (mm)	127 x 127	127 x 127	127 x 127	127 x 127	127 x 127	127 x 127
SmartPan included	Yes	Yes	Yes	Yes	Yes	Yes
Draft shield	Included	Optional	Included	Optional	Included	Optional

Balance Model	XPE1203S	XPE3003S	XPE5003S
Limit Values			
Maximum Capacity	1210 g	3100 g	5100 g
Readability	1 mg	1 mg	1 mg
Repeatability	0.8 mg	1 mg	1.5 mg
Linearity deviation	2 mg	6 mg	6 mg
Typical Values			
Repeatability	0.4 mg	0.6 mg	1 mg
Linearity deviation	0.6 mg	2 mg	2 mg
Sensitivity offset (test weight)	1.5 mg (1200 g)	1.2 mg (3000 g)	3 mg (5000 g)
USP MinWeight (k=2, U=0.10%, 5% load)	820 mg	1200 mg	2 g
MinWeight (k=2, U=1%, 5% load)	82 mg	120 mg	200 mg
Settling time	1.5 s	2 s	2 s
Dimensions			
Weighing Pan Size (mm)	127 x 127	127 x 127	127 x 127
SmartPan included	Yes	Yes	Yes
Draft shield	Included	Included	Included

Balance Model	XPE3003SD5	XPE6003SD5	XPE1202S	XPE2002S	XPE4002S
Limit Values					
Maximum Capacity	3100 g	6100 g	1210 g	2.1 kg	4.1 kg
Readability	5 mg	5 mg	10 mg	10 mg	10 mg
Repeatability	6 mg	6 mg	8 mg	8 mg	8 mg
Linearity deviation	6 mg	7 mg	20 mg	20 mg	20 mg
Typical Values					
Repeatability	3 mg	3 mg	4 mg	4 mg	4 mg
Linearity deviation	2 mg	2 mg	6 mg	6 mg	6 mg
Sensitivity offset (test weight)	4 mg (3 kg)	5 mg (6 kg)	15 mg (1200 g)	25 mg (2 kg)	25 mg (4 kg)
USP MinWeight (k=2, U=0.10%, 5% load)	6 g	6 g	8.2 g	8.2 g	8.2 g
MinWeight (k=2, U=1%, 5% load)	600 mg	600 mg	820 mg	820 mg	820 mg
Settling time	2 s	2 s	1.2 s	1.2 s	1.2 s
Dimensions					
Weighing Pan Size (mm)	172 x 205	172 x 205	172 x 205	172 x 205	172 x 205
SmartPan included	Yes	Yes	Yes	Yes	Yes

Balance Model	XPE6002SDR	XPE6002S	XPE8002S	XPE10002S
Limit Values				
Maximum Capacity	6.1 kg	6.1 kg	8.1 kg	10.1 kg
Maximum Capacity, fine range	1.2 kg	-	-	-
Readability	100 mg	10 mg	10 mg	10 mg
Readability, fine range	10 mg	-	-	-
Repeatability	60 mg	8 mg	8 mg	8 mg
Repeatability, fine range	8 mg	-	-	-
Linearity deviation	60 mg	20 mg	20 mg	20 mg
Typical Values				
Repeatability	40 mg	4 mg	4 mg	4 mg
Repeatability, fine range	5 mg	-	-	-
Linearity deviation	6 mg	6 mg	6 mg	6 mg
Sensitivity offset (test weight)	30 mg (6 kg)	12 mg (6 kg)	12 mg (8 kg)	12 mg (10 kg)
USP MinWeight (k=2, U=0.10%, 5% load)	10 g	8.2 g	8.2 g	8.2 g
MinWeight (k=2, U=1%, 5% load)	1 g	820 mg	820 mg	820 mg
Settling time	1.2 s	1.2 s	1.5 s	1.5 s
Dimensions				
Weighing Pan Size (mm)	172 x 205	172 x 205	172 x 205	172 x 205
SmartPan included	Yes	Yes	Yes	Yes

Balance Model	XPE4001S	XPE6001S	XPE8001S	XPE10001S
Limit Values				
Maximum Capacity	4.1 kg	6.1 kg	8.1 kg	10.1 kg
Readability	100 mg	100 mg	100 mg	100 mg
Repeatability	80 mg	80 mg	80 mg	80 mg
Linearity deviation	60 mg	60 mg	100 mg	100 mg
Typical Values				
Repeatability	40 mg	40 mg	40 mg	40 mg
Linearity deviation	20 mg	20 mg	30 mg	30 mg
Sensitivity offset (test weight)	50 mg (4 kg)	50 mg (6 kg)	120 mg (8 kg)	120 mg (10 kg)
USP MinWeight (k=2, U=0.10%, 5% load)	82 g	82 g	82 g	82 g
MinWeight (k=2, U=1%, 5% load)	8.2 g	8.2 g	8.2 g	8.2 g
Settling time	0.8 s	0.8 s	1 s	1 s
Dimensions				
Weighing Pan Size (mm)	190 x 223	190 x 223	190 x 223	190 x 223
SmartPan included	No	No	No	No

Features

Accurate Results
High resolution technology
proFACT Advanced internal adjustment
Lowest minimum weight

Efficient Operation
Large color touchscreen
SmartPan
SmartTrac dosing guide
Big numbers on display
Easy cleaning
SmartSens for touch-less operation

Quality Assurance
StatusLight
Graphical leveling guide
TestManager embedded software
MinWeigh function
FACT and GWP history
proFACT Advanced documentation
Password protection
Admin history

Seamless Process
User management
LabX ready
Calibry ready
RFID exchange with titrators
RFID SampleTrack
Built in RS232, 7 options for the second
slot e.g. Ethernet, Bluetooth

Embedded Applications

Standard weighing, piece counting, percent weighing, statistics, formulation, dynamic weighing, density, differential weighing, factor calculation, RFID Exchange for titrators, RFID SampleTrack

Selected Accessories

ErgoStand
Place your display on a stand and adjust the tilt to suit your height; it's easier to read and good posture is maintained.

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

RFID data exchange
The EasyScan-Flex RFID reader/writer enables exchange of sample data with titrators and assists you to keep track of dispensed/available substances.

Density kits
Quickly and easily convert your balance for density determination of solid, liquid, porous and pasty substances (1 mg models only).

Connectivity
In addition to the built in RS232, a second interface provides options for Ethernet, Bluetooth, PS2 or RS232 connections.

CarePacs®
CarePac certified weight sets fully support routine testing to limit the risk of working outside process tolerances.

Applications

LabX Laboratory Software – Power the Bench
LabX brings power to your laboratory bench by providing full user guidance on the instrument touchscreen, handling all data automatically, and ensuring process security on multiple instruments – all with one software and no manual transcriptions.

www.mt.com/xpe-precision

For more information

GWP®
Good Weighing Practice™

The internationally recognized GWP® guideline
reduces weighing risks and helps to:
• identify the correct balance for the weighing task
• reduce costs by optimizing testing procedures
• ensure compliance with regulations
▶**www.mt.com/GWP**