

# The new XP comparators

B u s i n e s s   A r e a   M e t r o l o g y

## XP comparator

- Performance – high-precision mass comparator
- SmartScreen – easy-to-use touch screen
- LevelMatic – for reduced corner-load error
- Draft shield – for enhanced measurement stability
- WeighCom application – for user-friendly menu-guided mass-comparison processes
- Connectivity – for fast and easy data handling



**METTLER TOLEDO**

	<b>XP2004S Comparator</b>	<b>XP2003S Comparator</b>	<b>XP5003S Comparator</b>	<b>XP10003S Comparator</b>
Readability	0.1 mg	1 mg	1 mg	1 mg
Maximum capacity	2300 g	2300 g	5100 g	10100 g
Electrical weighing range	0...2300 g	0...2300 g	0...5100 g	0...10100 g
Repeatability (standard deviation of 10 comparison weighing ABA after elimination of drift)	0.1 mg	1 mg	0.8 mg	1 mg
Typical repeatability	0.08 mg + 9x10 <sup>-9</sup> •R_gr	0.8 mg + 9x10 <sup>-8</sup> •R_gr	0.6 mg + 4x10 <sup>-8</sup> •R_gr	0.8 mg + 1.7x10 <sup>-8</sup> •R_gr
Linearity	1 mg	5 mg	3 mg	7 mg
Typical stabilization time	2...10 s	2...10 s	2...10 s	2...10 s
Adjustment	proFACT	proFACT	proFACT	proFACT
Adjustment with external weight	>=500 g	>=500 g	>=1000 g	>=1000 g
Sensitivity drift	±10 <sup>-6</sup>	±10 <sup>-6</sup>	±10 <sup>-6</sup>	±10 <sup>-6</sup>

**Standard equipment**

Levelmatic weighing pan	Standard	Optional	Standard	Standard
Weighing pan diameter	130 mm	125x125 mm	130 mm	130 mm
Free space above weighing pan	235 mm	235 mm	235 mm	350 mm
Feedthrough for below-the-balance weighing	Standard	Standard	Standard	Standard
Backlit color graphics display with touch screen operation	Standard	Standard	Standard	Standard
WeighCom application for guided mass comparison application	Standard	Standard	Standard	Standard

**Allowable ambient conditions**

Temperature (°C)	10...30 °C	10...30 °C	10...30 °C	10...30 °C
Max. temperature change (°/24 h)	0.5	0.5	0.5	0.5
Relative air humidity (%) (±2%)	40-70	40-70	40-70	40-70

**Dimensions (WxDxH, mm); net weight (kg)**

Balance	214 x 257 x 363 7.1 kg	214 x 257 x 363 7.1 kg	214 x 257 x 363 7.1 kg	Draftshield 390 x 480 x 480 16 kg
Display unit	194 x 133 x 58 1.2 kg	194 x 133 x 58 1.2 kg	194 x 133 x 58 1.2 kg	194 x 133 x 58 1.2 kg
AC adapter	108 x 67 x 37; 0.3 kg	108 x 67 x 37; 0.3 kg	108 x 67 x 37; 0.3 kg	108 x 67 x 37; 0.3 kg

**Accessories**

Software MC Link	Optional	Optional	Optional	Optional
Printer BT-P42 or RS-P42	Optional	Optional	Optional	Optional

R\_gr = gross weight



**SmartScreen for easy and efficient operation**



**Levelmatic centering device to eliminate corner load error**



**XP2004S**



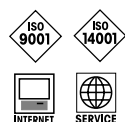
**XP2003S**



**XP5003S**



**XP10003S**



Quality certificate ISO 9001  
Environmental certificate ISO 14001  
Internet: <http://www.mt.com>  
Worldwide service

Subject to technical changes  
© 12/04 Mettler-Toledo GmbH  
Printed in Switzerland 11795456  
MCG MarCom Greifensee