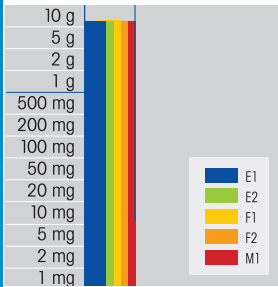


Highest Precision at Smallest Loads

XP6U Micro Comparator



Unrivalled performance

The XP6U accomplishes demanding mass determination and weight calibration up to 1 mg OIML E1 with highest accuracy in shortest time.



Secure handling

The hook weighing pan facilitates the secure placement of smallest weights and ensures best repeatability.

XP6U Micro Comparator

Unmatched resolution of 61 million points



Hands-free operation

SmartSens and application guidance enable intuitive and hands-free operation for an efficient workflow and best performance.

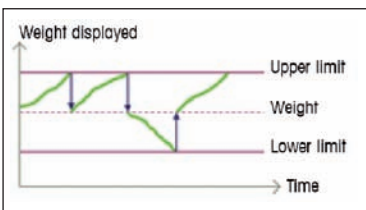
The XP6U Micro Comparator efficiently determines the smallest masses with highest precision and with an unmatched full range resolution of 61 million points. The innovative hook weighing pan, SmartSens for touchless operation and WeighCom software facilitate fast and secure mass determination with highest precision at a push of a button.



Straight forward results

At a push of a button on the touchscreen, secure results are obtained. Selection of processes, references and air buoyancy correction enable full flexibility.

The XP6U Comparator can measure smallest sample quantities with highest accuracy thus preventing unnecessary loss of precious substances. Combined with all other XP related characteristics like colored touch screen display, customized screen programming, intelligent user guidance and hands-free infrared draft shield, this Ultra Micro Comparator is unbeatable in term of accuracy and efficiency.



Accuracy at all times


ProFact tracks temperature as well as time and starts fully automated adjustments whenever they are required.

- Straight forward workflow with WeighCom
- Full range 61 mio points resolution
- Secure handling of smallest samples with hook weighing pan
- Hands-free operation for convenience

Technical Data

XP6U Micro Comparator

Highest Precision at Smallest Loads

	XP6U 
Maximum Capacity	6.1 g
Readability	0.0001 mg
Repeatability at low load 5 ABA	0.00020 mg (0.2 g)
Repeatability at nominal load 5 ABA	0.00035 mg (6 g)
Repeatability typical 5 ABA	0.00015 mg +1.7E ⁻⁰⁸ *Rgr
Repeatability (absolute, full range)	0.00040 mg
Linearity (electrical weighing range)	0.004 mg (6 g)
Eccentric load deviation (at) ¹⁾	0.002 mg (2 g)
Electrical weighing range	6.1 g
Taring range	0...6.1 g
Settling time	≤15 s
Adjustment built-in	ProFACT
Adjustment with external weight	1...6 g

Standard equipment

Application software	WeighCom & 8 Standard
Automatic door	Included
Touchscreen	Included
SmartSens	Included
Under pan weighing	Included
Draft shield XP-W5	Optional

Admissible ambient conditions

Temperature (°C)	10...30 °C
Max. temperature change	0.3 °C/1 h; 0.5 °C/12 h
Relative air humidity (%)	40...70

Dimensions

Weighing pan (mm)	Hook pan 14 mm, std pan 16 mm
Balance (W x D x H, mm)	128 x 287 x 113
Object Diameter (D, mm)	≤16 mm
Weight [kg]	7.5 kg

¹⁾ According to OIML R76

Rgr = Gross weight (sample weight) Rnt= net weight (Nominal Load)



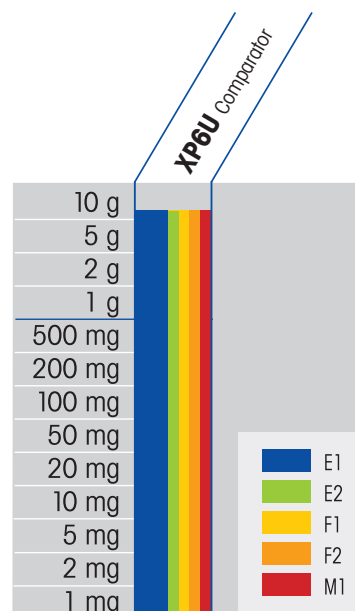
Optional XP-W5 draft shield

Accessories

Draftshield XP-W5	11116043
Software MCLink for mass calibration	11116504
Software Lab X Light data management	11120317
RS-P42 printer with RS232 connection	00229265
RS232 connection cable (m/f), 1 m	11101051
Calibration weight E2 5 g certified	00158411
Second RS232 Interface	11132500
BT Bluetooth multichannel interface	11132530
Ethernet interface	11132515
ErgoSens for hands free operation	11132601
Barcode reader with RS232	21900879
Antistatic kit U-shape	11117767

Standard Equipment

- SmartScreen color touchscreen display for comfortable and secure operation
- SmartSens for hands-free operation
- ProFACT fully automatic time and / or temperature controlled internal adjustment and linearization
- WeighCom application with user guidance, protection of sensitive data and air buoyancy correction
- Standard applications Weighing, Statistics, Formulation, Piece counting, Percent weighing, Density, Differential weighing, LabX Client
- Hook and standard weighing pan
- Performance kit
- Standard built-in RS232 interface
- Production certificate



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For more information