

Weights Below One Milligram Tailored Solution for a Specific Need



Protective Storage

Easy to clean aluminum boxes protect weights against electrostatic charge. To avoid unintentional mis-storage of weights, each box is laser marked with the nominal value.



Nifty Tools

Handling microgram weights is a challenge. A specially developed set of unique tools make daily usage easy and ensure safe and proper handling.



Designed for Robots

For best measurement performance, the new microgram weights are designed to fit METTLER TOLEDO's "a5" comparator perfectly. The design also allows manual calibrations.



Made in Switzerland

METTLER TOLEDO's experience in superior weight manufacturing reaches back over decades. The design is founded on daily practice in measurement, and all components are made of finest materials.





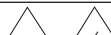

Mass Determination and Calibration Newly Defined with a Unique Solution

METTLER TOLEDO's new microgram weight portfolio responds to increasing customer demand for weights below one milligram. The weights, combined with their specially designed set of accessories and handling tools, offer the complete solution for customers who go beyond traditional boundaries.

This stunning concept was designed in close cooperation with national measurement institutes around the world. Joint studies determined the physical standards now embodied in METTLER TOLEDO's microgram weights.

These weights are mainly used by national institutes for scientific research and calibrations, but they also aid general industry research in areas where equipment calibration with milligram weights is no longer sufficiently precise.

Achieve the best measurement uncertainty with METTLER TOLEDO weights

0.05 mg – 0.5 mg		Technical Specification	
0.05 mg		Tolerance	$\pm 1.5 \mu\text{g}$
0.1 mg		Material	Aluminum
0.2 mg		Density ρ	$2700 \text{ kg/m}^3 \pm 140 \text{ kg/m}^3$
0.5 mg		Design	Wire weights

Weight Sets

Order Number	Order Number	Nominal Value	Weight Sequence	Number of Weights	Accessories Included
30078805	30078807	0.05 mg – 0.5 mg	1, 2, 2, 5	5	✓
30078804	30078806	0.05 mg – 0.5 mg	1, 2, 2, 5	5	–

Single Weights

Order Number	Order Number	Nominal Value	MPE ($\pm \delta m$ in μg)	Uncertainty (μg)	Accessories Included
30078800	30080144	0.05 mg	± 1.5	0.7	–
30078801	30080145	0.1 mg	± 1.5	0.7	–
30078802	30080146	0.2 mg	± 1.5	0.7	–
30078803	30080147	0.5 mg	± 1.5	0.7	–

 With statement of accuracy

 With traceable calibration certificate issued by the National Measurement Office UK

Accessories

Order Number	Description	Length
30078795	Tweezers ceramic tips 0.05 mg – 500 mg	135 mm
30078796	Ceramic replacement tips	
30040321	Cross tweezers with straight tips for weights 1 mg – 500 mg	130 mm

For quotes or technical information regarding weights please use this email address:
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For more information

