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MILLIGRAM BALANCES

# MILIV-G Glass Windshield Milligram Balance Series

**Milligram Balance | 100-600 g Capacity | 1 mg Readability | Glass Windshield | External Calibration**

**MILIV-G milligram balances** are precision laboratory instruments with 1 mg readability, LCT precision sensor technology and a transparent glass windshield for stable weighing in routine laboratory, quality-control and educational workflows. This version includes only the G / Glass windshield models; P / Plastic variants are intentionally excluded for a separate series.

100-600 G

1 MG READABILITY

GLASS WINDSHIELD

EXTERNAL CALIBRATION

LCT SENSOR

RS232 / USB

RECHARGEABLE BATTERY

Document type: **Technical Specification Sheet**

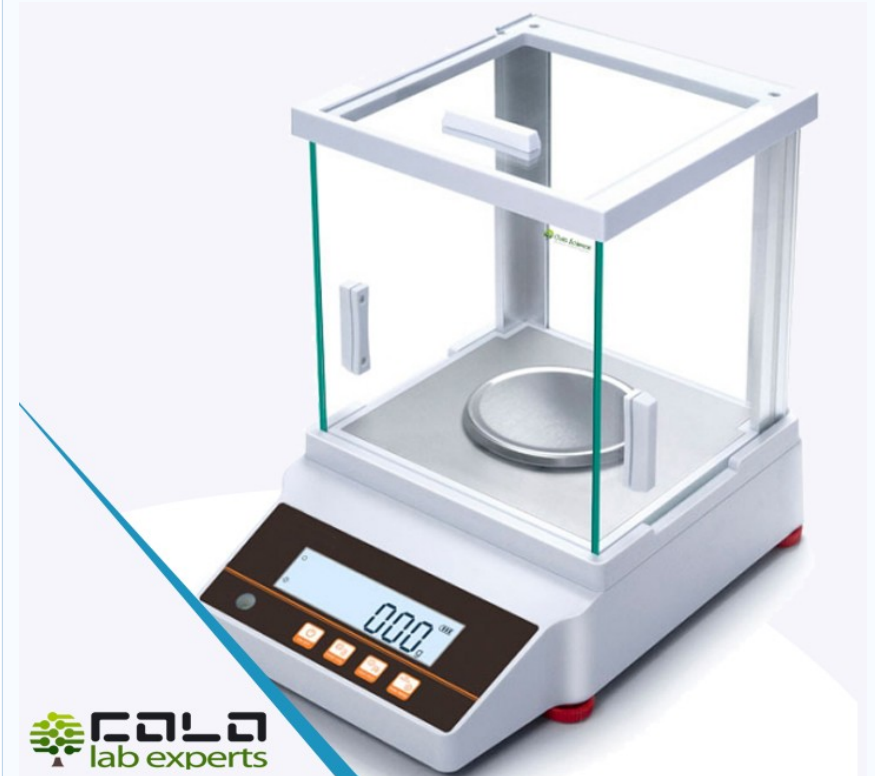
Product family: **MILIV-G Glass Windshield Milligram Balance Series**

Capacity: **100 / 200 / 300 / 400 / 500 / 600 g**

Calibration: **External calibration**

Series characteristic: **1 mg precision weighing with glass windshield**

Format: **A4 landscape | COLO.Science TechSpec v2.5**



**MILIV-G milligram balance | glass windshield | 0.001 g readability**

MEASURING RANGE

**100-600 g**  
**d = 1 mg**

ADDRESS / HQ

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**SI-3255, Slovenia**

CONTACT

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MILLIGRAM BALANCES

# MILIV-G | glass windshield milligram balance series

External calibration, 1 mg readability and transparent glass windshield

MAX 600 G

D = 1 MG

GLASS WINDSHIELD

RS232 / USB OUTPUT

MILIV G models only; plastic P variants excluded

## Series Overview

### Milligram weighing platform

**1 mg readability:** supports routine sample preparation, formulation and quality-control weighing.

**LCT precision sensor:** aluminum-alloy sensor structure with strain-gauge technology for stable routine performance.

**Glass windshield:** fully transparent glass protection reduces the effect of air movement and keeps the sample visible.

**Fast stabilization:** stabilization time up to 3 seconds for efficient lab workflows.

### Construction and operation

**External calibration:** calibration with suitable external standard weight.

**Balance pan:** stainless steel 90 mm balance pan.

**Housing:** ABS environmental material with die-cast aluminum base.

**Functions:** basic weighing and piece counting with full-range tare.

### Data handling and usability

**Interface:** RS232 and USB for printer or computer connection.

**Battery:** rechargeable 7.4 V lithium battery plus AC adapter.

**Display and keys:** high-definition button interface with simple mode switching.

**Units:** multiple laboratory units supported, including g, ct, oz, lb, kg, dr, gn and others.

### Key technical points

**SKU range:** PRO7013, PRO7014, PRO7015, PRO7016, PRO7017 and PRO7054.

**Model range:** MILIV-120G through MILIV-620G, glass windshield only.

**Repeatability:**  $\pm 0.002$  g.

**Linearity:**  $\pm 0.003$  g.

**Size:** 280 x 190 x 270 mm.

MODELS

**100-600 g**

READABILITY

**1 mg**

WINDSHIELD

**Glass only**

STABILIZATION

**≤ 3 s**

## G Model Selection and Technical Specifications

### Glass windshield model table; P / Plastic variants excluded from this sheet

SKU	Model	Capacity	Readability	Repeatability	Linearity	Calibration	Windshield	Output interface
PRO7013	MILIV-120G	100 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB
PRO7014	MILIV-220G	200 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB
PRO7015	MILIV-320G	300 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB
PRO7016	MILIV-420G	400 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB
PRO7017	MILIV-520G	500 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB
PRO7054	MILIV-620G	600 g	0.001 g / 1 mg	±0.002 g	±0.003 g	External	Glass windshield	RS232 / USB

### Weighing system and performance

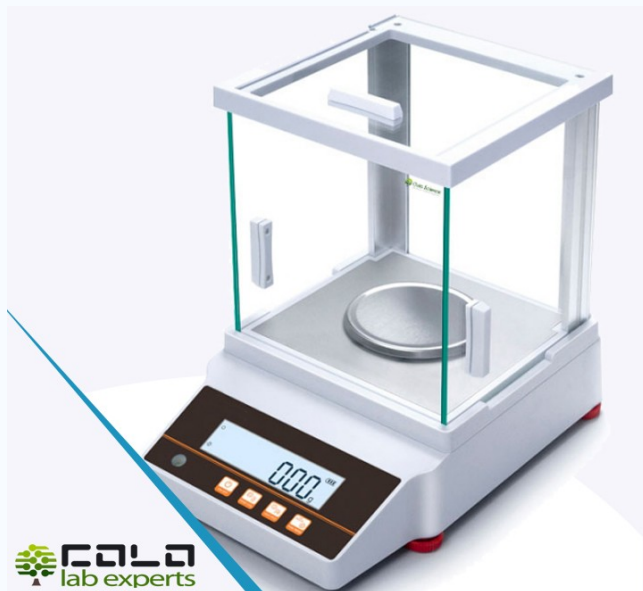
Parameter	Specification
<b>G model capacities</b>	100 / 200 / 300 / 400 / 500 / 600 g
<b>Readability</b>	0.001 g / 1 mg
<b>Repeatability</b>	±0.002 g / ±2 mg
<b>Linearity</b>	±0.003 g / ±3 mg
<b>Stabilization</b>	≤ 3 s
<b>Sensor</b>	LCT precision sensor, high-speed 24-bit AD converter
<b>Tare range</b>	Full range

### Display, interface and construction

Parameter	Specification
<b>Calibration</b>	External calibration with standard weight
<b>Windshield</b>	Glass windshield, G models only
<b>Battery</b>	7.4 V rechargeable lithium battery
<b>Interface</b>	RS232, USB
<b>Balance pan size</b>	90 mm diameter
<b>Power requirements</b>	Adapter input: 100-240 V ~ 200 mA, 50-60 Hz, 12-18 VA; output: 5 VDC 2.5 A
<b>Overall size</b>	280 x 190 x 270 mm
<b>N.W. / G.W.</b>	4 kg / 6 kg
<b>Shipping dimension</b>	43 x 30 x 41 cm

**Source note:** Existing MILIV source specification included both G glass and P plastic windshield variants. This updated sheet intentionally keeps only the supplied G / Glass windshield SKU list; P / Plastic variants are excluded for a separate series.

## Applications, Calibration and Optional Accessories



**MILIV-G milligram balance | transparent glass windshield for air-movement protection**

### Typical laboratory applications

**Laboratory weighing:** precise weighing of reagents, standards, samples and prepared solutions.

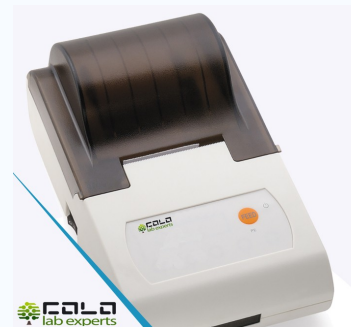
**Quality control:** check weighing, formulation verification and batch consistency testing.

**Pharmaceutical and chemical work:** 1 mg readability for routine active ingredient and excipient checks.

**Educational use:** teaching weighing technique and routine balance operation.

**Piece counting:** small-component counting and kitting workflows.

### Optional accessories



**Optional thermal printer for measurement records**



**Optional OIML F1 calibration weights for external calibration/control**

**Ordering note:** this MILIV-G sheet includes glass windshield models only. Select suitable F1 calibration weight nominal values according to the selected capacity, laboratory SOP and required calibration/control routine.

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**MANUFACTURER AND SUPPORT**

## **COLO Lab Experts**

**Polje ob Sotli 4, SI-3255, Slovenia**

**Selection guidance:** send the intended capacity, smallest target mass, sample type, need for printer output and required external calibration routine.

**QUICK CONTACT**

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**Email:** [sales@colo.si](mailto:sales@colo.si)

**Phone:** +386 70 713 437

**Series:** MILIV-G glass windshield milligram balance

**COLO.SCIENCE | MILIV-G MILLIGRAM BALANCE SUPPORT**

## **Need help configuring a MILIV-G glass windshield milligram balance?**

Send the selected capacity, weighing routine, external calibration requirement, printer/data-output requirement and documentation expectations. COLO.Science can confirm the MILIV-G model, printer and F1 calibration weight set.

**MAIN WEIGHING NAVIGATION**

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[Weighing Catalogue](#)

**BALANCE CATEGORIES**

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[Precision Balances](#)

[Analytical Balances](#)

[OIML F1 Weights](#)

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