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MILLIGRAM BALANCES

MILI-TGH High Capacity Milligram Balance Series

Milligram Balance | 1000-2000 g Capacity | 1 mg Readability | Color Touch Screen | Electromagnetic Force Sensor

MILI-TGH milligram balances are high-capacity touch screen milligram balances with 1 mg readability, color touch screen operation, density testing and electromagnetic force sensor weighing technology. The series covers 1000 g and 2000 g capacities and supports basic weighing, piece weighing, percentage weighing, density determination and powder weighing.

1000-2000 G

1 MG READABILITY

COLOR TOUCH SCREEN

DENSITY TESTING

ELECTROMAGNETIC FORCE SENSOR

RS232 / USB

OPTIONAL PRINTER

TOUCH SCREEN

Document type: **Technical Specification Sheet**

Product family: **MILI-TGH High Capacity Milligram Balance Series**

Capacity: **1000 / 2000 g**

Calibration / control: **External calibration or control with optional weight set**

Series characteristic: **1 mg high-capacity weighing with color touch screen, density testing and electromagnetic force sensor**

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



MILI-TGH milligram balance | touch screen | glass windshield | 0.001 g readability

MEASURING RANGE

**1000-2000 g
d = 1 mg**

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MILLIGRAM BALANCES

MILI-TGH | high capacity milligram balance series

1 mg readability, color touch screen and electromagnetic force sensing

MAX 2000 G

D = 1 MG

GLASS WINDSHIELD

RS232 / USB OUTPUT

High capacity 1 mg models with color touch screen and density testing

Series Overview

High capacity milligram weighing

Large capacity with 1 mg readability: 1000 g and 2000 g models for larger samples where milligram resolution is still required.

Electromagnetic force sensor: high-performance force restoration sensing supports accurate and stable weighing results.

Fast stabilization: stabilization time is 3 seconds for efficient laboratory workflows.

Full-range tare: supports container and sample handling across the full weighing range.

Color touch screen and applications

5-inch color touch screen: bright, clear numbers remain easy to read under common laboratory lighting conditions.

Density testing: built-in application supports density calculations when the density bracket is installed.

Powder weighing: dedicated weighing mode for powder sample preparation and laboratory dosing work.

Multiple units: supports g, mg, ct, lb, gn, ozt, dwt, dr, mm, tnr, tar, tLt and tl.h.

Data handling and usability

Interface: RS232 and USB for printer or computer connection.

Optional printer: direct measurement record output for documentation workflows.

Optional calibration weights: 1 mg to 1 kg set can be used for external checks and calibration routines.

Touch operation: integrated display and controls keep operation clear and convenient.

Key technical points

CRM names: MILI-TGH Milligram Balance 1000g/0.001g and 2000g/0.001g Touch screen glass windshield.

Model range: MILI-TGH 1000g/0.001g and MILI-TGH 2000g/0.001g.

Repeatability: ± 0.003 g for 1000 g model; ± 0.005 g for 2000 g model.

Linearity: ± 0.003 g for both models.

Overall size: 360 x 210 x 320 mm.

MODELS

1000 / 2000 g

READABILITY

1 mg

SENSOR

Electromagnetic force

STABILIZATION

3 s

Model Selection and Technical Specifications

High capacity touch screen milligram balance model table

SKU / CRM name	Model	Capacity	Readability	Repeatability	Linearity	Measuring method	Output interface
MILI-TGH Milligram Balance 1000g/0.001g Touch screen glass windshield	MILI-TGH 1000g/0.001g	1000 g	0.001 g / 1 mg	±0.003 g	±0.003 g	Electromagnetic force sensor	RS232 / USB
MILI-TGH Milligram Balance 2000g/0.001g Touch screen glass windshield	MILI-TGH 2000g/0.001g	2000 g	0.001 g / 1 mg	±0.005 g	±0.003 g	Electromagnetic force sensor	RS232 / USB

Weighing system and performance

Parameter	Specification
Model capacities	1000 / 2000 g
Readability	0.001 g / 1 mg
Repeatability	1000 g model: ±0.003 g; 2000 g model: ±0.005 g
Linearity	±0.003 g
Stabilization	3 s
Measuring method	Electromagnetic force sensor
Tare range	Full range

Display, interface and construction

Parameter	Specification
Display	5-inch color touch screen
Weighing modes	Basic weighing, piece weighing, percentage weighing, density determination, powder weighing
Units	g, mg, ct, lb, gn, ozt, dwt, dr, mm, tmr, tar, tLt, tLh
Pan size	80 mm diameter
Interface	RS232 / USB
Power requirements	Adapter input: 100-240 V ~ 200 mA, 50-60 Hz, 12-18 VA; output: 5 VDC 2.5 A
Overall size	360 x 210 x 320 mm
N.W. / G.W.	5 kg / 7.3 kg
Shipping dimension	50 x 36 x 47 cm

Source note: MILI-TGH data were transcribed from the supplied CRM names, specification screenshots and provided product notes. This sheet follows the existing COLO A4 landscape technical specification layout and is prepared in English.

Applications, Density Testing and Optional Accessories



MILI-TGH high capacity milligram balance | color touch screen | glass windshield

Typical laboratory applications

Large-sample milligram weighing: 1000 g and 2000 g capacities with 0.001 g readability.

Density determination: built-in density application performs calculations when the density bracket is installed.

Quality control: check sample mass, formulation steps and batch consistency with high-capacity milligram resolution.

Powder sample work: powder weighing mode supports laboratory dosing and preparation workflows.

Documentation: RS232 / USB interface supports printer or PC output.

Optional accessories



Optional printer for measurement records



Optional calibration weight set, 1 mg to 1 kg

Ordering note: select the printer, density bracket and calibration-weight set according to the selected MILI-TGH capacity, laboratory SOP and required documentation 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, density testing requirement, printer output need and calibration-weight routine.

QUICK CONTACT

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Phone: +386 70 713 437

Series: MILI-TGH high capacity milligram balance

COLO.SCIENCE | MILI-TGH MILLIGRAM BALANCE SUPPORT

Need help configuring a MILI-TGH high capacity milligram balance?

Send the selected capacity, weighing routine, density testing requirement, printer/data-output requirement and documentation expectations. COLO.Science can confirm the MILI-TGH model, optional printer and 1 mg to 1 kg calibration-weight set.

MAIN WEIGHING NAVIGATION

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[Milligram Balances](#)

[Precision Balances](#)

[Analytical Balances](#)

[Calibration Weights](#)

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