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MILLIGRAM BALANCES

MILI-TP Touch Screen Plastic Draft Shield Milligram Balance Series

Milligram Balance | 100-600 g Capacity | 1 mg Readability | Touch Screen Plastic Draft Shield | External Calibration

MILI-TP milligram balances are touch screen milligram precision balances with 1 mg readability and plastic protection from air movement. The series supports plastic draft protection, optional external display, optional accumulator power, RS232 / USB communication and optional printer or F1 calibration weight accessories.

100-600 G

1 MG READABILITY

PLASTIC DRAFT SHIELD

EXTERNAL CALIBRATION

LCT SENSOR

RS232 / USB

OPTIONAL ACCUMULATOR

OPTIONAL DISPLAY

TOUCH SCREEN

Document type: **Technical Specification Sheet**

Product family: **MILI-TP Touch Screen Plastic Draft Shield Milligram Balance Series**

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

Calibration: **External calibration**

Series characteristic: **1 mg touch screen weighing with plastic draft shield and optional display**

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



MILI-TP milligram balance | touch screen | plastic draft shield | optional display | 0.001 g readability

MEASURING RANGE

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

ADDRESS / HQ

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

CONTACT

**sales@colo.si
+386 70 713 437**

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MILI-TP | touch screen plastic draft shield milligram balance series

External calibration, 1 mg readability and touch screen plastic draft shield

MAX 600 G

D = 1 MG

PLASTIC DRAFT SHIELD

RS232 / USB OUTPUT

Touch screen models with touch screen plastic draft shield

Series Overview

Milligram weighing platform

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

Touch screen control: simple touch screen operation for direct access to weighing functions.

Plastic draft shield: 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.

Optional accumulator: 6 V 1.3 Ah lead-acid accumulator for backup power.

Touch screen display: clear touch screen interface; optional external display available.

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

Key technical points

SKU range: PRO7019, PRO7020, PRO7021, PRO7022, PRO7023 and PRO7024.

Model range: MILI-TP 100g/0.001g through 600g/0.001g.

Repeatability: ± 0.002 g.

Linearity: ± 0.002 g.

Size: 280 x 190 x 270 mm.

MODELS

100-600 g

READABILITY

1 mg

CONTROL

Touch screen

STABILIZATION

3 s

Model Selection and Technical Specifications

Touch screen plastic draft shield model table

SKU	Model	Capacity	Readability	Repeatability	Linearity	Calibration	Draft shield	Output interface
PRO7019	MILI-TP 100g/0.001g	100 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB
PRO7020	MILI-TP 200g/0.001g	200 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB
PRO7021	MILI-TP 300g/0.001g	300 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB
PRO7022	MILI-TP 400g/0.001g	400 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB
PRO7023	MILI-TP 500g/0.001g	500 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB
PRO7024	MILI-TP 600g/0.001g	600 g	0.001 g / 1 mg	±0.002 g	±0.002 g	External	Plastic draft shield	RS232 / USB

Weighing system and performance

Parameter	Specification
Model capacities	100 / 200 / 300 / 400 / 500 / 600 g
Readability	0.001 g / 1 mg
Repeatability	±0.002 g / ±2 mg
Linearity	±0.002 g / ±2 mg
Stabilization	3 s
Control / converter	Touch screen control, high-speed 24-bit AD converter
Tare range	Full range

Display, interface and construction

Parameter	Specification
Calibration	External calibration with standard weight
Draft shield	Plastic protection against air movement
Power accumulator	Optional 6 V 1.3 Ah lead-acid accumulator
Interface	RS232, USB
Balance pan size	90 mm diameter
Power requirements	Adapter input: 100-240 V ~ 200 mA, 50-60 Hz, 12-18 VA; output: 5 VDC 2.5 A
Overall size	280 x 190 x 270 mm
N.W. / G.W.	4 kg / 6 kg
Shipping dimension	43 x 30 x 41 cm

Source note: MILI-TP SKU values and technical data were transcribed from the supplied model list and specification table. PRO7023 was confirmed as the 500 g model.

Applications, Calibration and Optional Accessories



MILI-TP milligram balance | plastic draft shield 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: MILI-TP uses the touch screen platform with plastic draft protection. External display, F1 calibration weights, printer and accumulator power are optional accessories for routine laboratory workflows.

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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

Web: colo.si

Email: sales@colo.si

Phone: +386 70 713 437

Series: MILI-TP touch screen plastic draft shield milligram balance

COLO.SCIENCE | MILI-TP MILLIGRAM BALANCE SUPPORT

Need help configuring a MILI-TP touch screen plastic draft shield milligram balance?

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

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[Precision Balances](#)

[Analytical Balances](#)

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