

PRODUCT IMAGE

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WEIGHING OVERVIEW

WEIGHING CATALOGUE

MILLIGRAM BALANCES

CENS-TP Touch Screen Laboratory Precision Balance Series

Milligram Balance | 1000-6000 g Capacity | 0.01 g Readability | Touch Screen | Laboratory Precision Balance

CENS-TP precision balances are touch screen laboratory precision balances with 0.01 g readability for routine weighing, sample preparation, parts counting, percentage weighing and check weighing. The series covers 1000 g to 6000 g capacities with RS232/USB communication, full-range tare and optional rechargeable accumulator operation.

1000-6000 G

0.01 G READABILITY

TOUCH SCREEN

COUNTING MODE

CHECK WEIGHING

RS232 / USB

OPTIONAL ACCUMULATOR

OPTIONAL PRINTER

Document type: **Technical Specification Sheet**

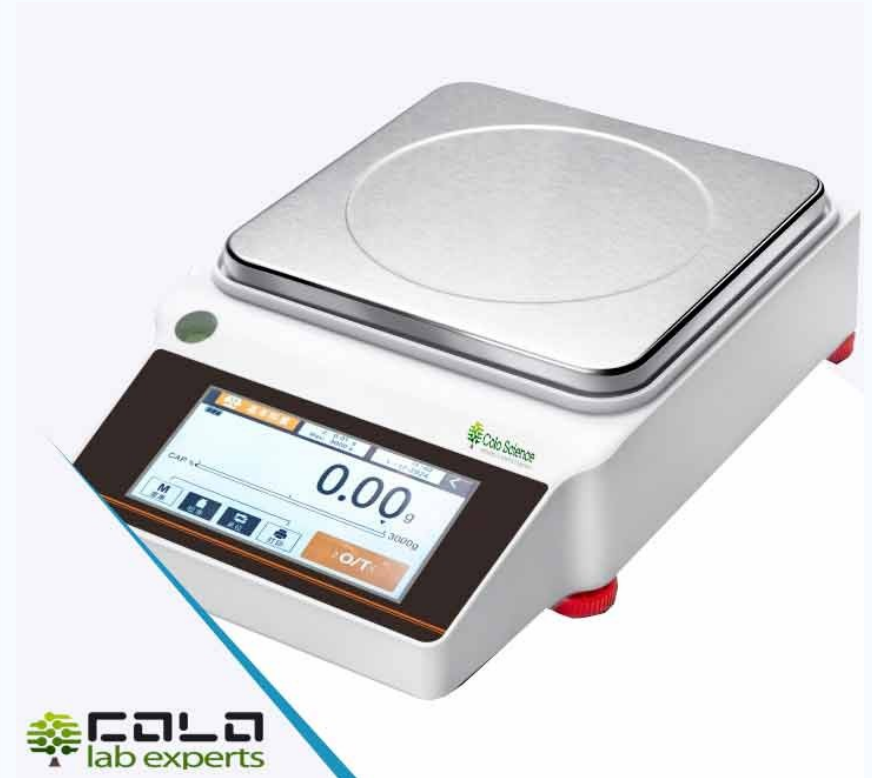
Product family: **CENS-TP Touch Screen Laboratory Precision Balance Series**

Capacity: **1000 / 2000 / 3000 / 5000 / 6000 g**

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

Series characteristic: **0.01 g touch screen laboratory weighing with counting, check weighing and print menu workflows**

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



CENS-TP precision balance | touch screen | glass windshield | 0.01 g readability

MEASURING RANGE

**1000-6000 g
d = 0.01 g**

ADDRESS / HQ

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CENS-TP | touch screen laboratory precision balance series

0.01 g readability, touch screen operation and high precision load cell weighing

MAX 6000 G

D = 0.01 G

GLASS WINDSHIELD

RS232 / USB OUTPUT

High capacity 0.01 g models with touch screen and counting and check weighing

Series Overview

Touch screen precision weighing

0.01 g readability: supports routine laboratory weighing, sample preparation, formulation and quality-control tasks.

Wide capacity range: select 1000 g, 2000 g, 3000 g, 5000 g or 6000 g according to the required working load.

High precision load cell: stable routine weighing performance for general laboratory use.

Full-range tare: convenient work with containers, trays, weighing boats and sample holders.

Touch screen workflow

Basic weighing: direct routine weighing mode for daily laboratory work.

Counting mode: parts counting workflow for small components after reference setup.

Check weighing: target-limit weighing for pass/fail checks and QC routines.

Print menu: touch screen communication settings for printer or PC output.

Data handling and power options

Interface: RS232 and USB for printer, computer connection or data collection workflow.

Optional printer: direct measurement record output for laboratory documentation.

Optional accumulator: rechargeable battery operation is available when weighing away from mains power is required.

Optional calibration weights: 1 mg to 2 kg weight set supports calibration and routine control checks.

Key technical points

CRM names: CENS-TP 1000g/0.01g, 2000g/0.01g, 3000g/0.01g, 5000g/0.01g and 6000g/0.01g Precision Balance Touch Screen.

Repeatability: ± 0.02 g across the series.

Linearity: ± 0.03 g across the series.

Pan size: 170 x 170 mm.

Overall size: 280 x 190 x 90 mm.

MODELS

1000-6000 g

READABILITY

0.01 g

CONTROL

Touch screen

INTERFACE

RS232 / USB

Model Selection and Technical Specifications

Touch screen laboratory precision balance model table

CRM name	Model	Capacity	Readability	Repeatability	Linearity	Display / control	Output interface
CENS-TP 1000g/0.01g Precision Balance Touch Screen	CENS-TP 1000g/0.01g	1000 g	0.01 g	±0.02 g	±0.03 g	Touch screen	RS232 / USB
CENS-TP 2000g/0.01g Precision Balance Touch Screen	CENS-TP 2000g/0.01g	2000 g	0.01 g	±0.02 g	±0.03 g	Touch screen	RS232 / USB
CENS-TP 3000g/0.01g Precision Balance Touch Screen	CENS-TP 3000g/0.01g	3000 g	0.01 g	±0.02 g	±0.03 g	Touch screen	RS232 / USB
CENS-TP 5000g/0.01g Precision Balance Touch Screen	CENS-TP 5000g/0.01g	5000 g	0.01 g	±0.02 g	±0.03 g	Touch screen	RS232 / USB
CENS-TP 6000g/0.01g Precision Balance Touch Screen	CENS-TP 6000g/0.01g	6000 g	0.01 g	±0.02 g	±0.03 g	Touch screen	RS232 / USB

Weighing system and performance

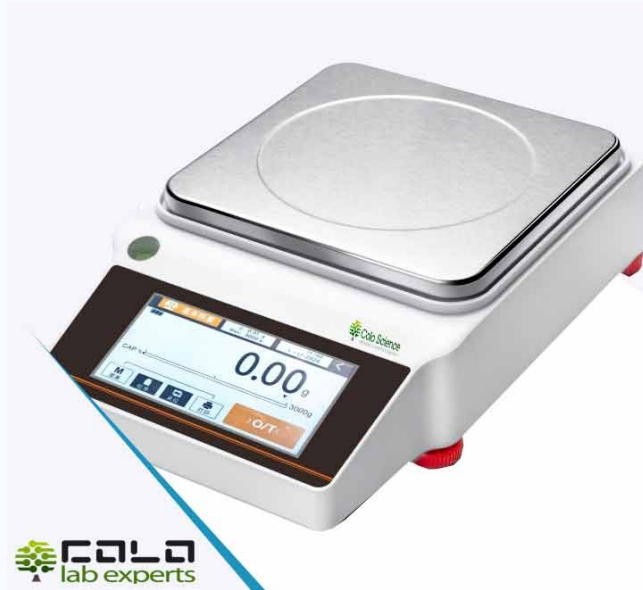
Parameter	Specification
Model capacities	1000 / 2000 / 3000 / 5000 / 6000 g
Readability	0.01 g
Repeatability	±0.02 g
Linearity	±0.03 g
Measuring cell	High precision load cell
Tare range	Full range
Optional power	Rechargeable accumulator / battery option

Display, interface and construction

Parameter	Specification
Display / control	Touch screen
Weighing modes	Basic weighing, piece weighing, percentage weighing, check weighing, animal weighing, communication settings, proportioning weighing
Units	g, kg, lb, oz, ozt, dwt, ct, gn, tola, gsm
Pan size	170 x 170 mm
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	280 x 190 x 90 mm
N.W. / G.W.	2.5 kg / 4 kg
Shipping dimension	34 x 25 x 16 cm

Source note: CENS-TP data were transcribed from the supplied CRM list, specification screenshots and provided product image/accessory links. This sheet follows the existing COLO A4 landscape technical specification layout and is prepared in English.

Applications, Touch Screen Modes and Optional Accessories



CENS-TP precision balance | touch screen laboratory weighing platform

Typical laboratory applications

Basic weighing: routine weighing of chemicals, powders, liquids, samples and containers.

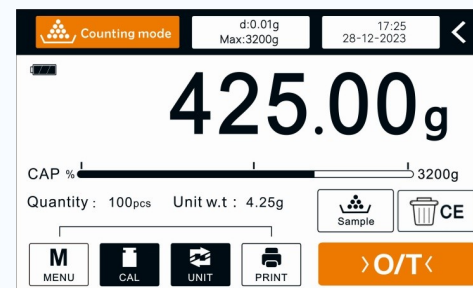
Counting mode: small-part counting after reference quantity and average piece mass are established.

Check weighing: upper/lower limit control for QC checks, portioning and repeat weighing tasks.

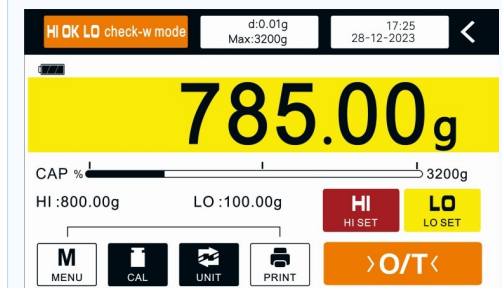
Percentage weighing: sample comparison and proportioning workflows.

Print menu: communication settings for optional printer or computer output.

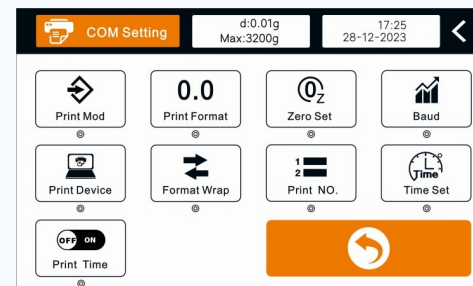
Mode screens and optional accessories



Counting mode touch screen workflow



Check weighing mode for target-limit control



Print menu for printer or PC communication settings



Optional printer for measurement records

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MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: send the intended capacity, target sample mass, counting/check-weighing workflow, printer output need, accumulator requirement and calibration-weight routine.

QUICK CONTACT

Web: colo.si

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Phone: +386 70 713 437

Series: CENS-TP high capacity milligram balance

COLO.SCIENCE | CENS-TP PRECISION BALANCE SUPPORT

Need help configuring a CENS-TP high capacity milligram balance?

Send the selected capacity, weighing routine, counting and check weighing requirement, printer/data-output requirement and documentation expectations. COLO.Science can confirm the CENS-TP model, optional printer and 0.01 g to 1 kg calibration-weight set.

MAIN WEIGHING NAVIGATION

[Weighing Overview](#)

[Weighing Catalogue](#)

BALANCE CATEGORIES

[Milligram Balances](#)

[Precision Balances](#)

[Analytical Balances](#)

[Calibration Weights](#)

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