

JP Gold and Carat Balances Premium Performance



Accurate & Fast

JP features a robust and accurate Mono-Bloc weighing cell with internal weight, rapid setting and fast response times. JP models with FACT feature fully automatic self-adjustment.



Designed to Last

A high-quality housing with robust metal base, overload protection and a protective cover provide resistance to rough treatment. The overall design is ridge-free, for quick cleaning and retrieval of inadvertently scattered items



Best-in-class Performance

High quality for demanding users, with more features as standard: fully automatic self-adjustment (FACT); a high contrast HCD display; two RS232 interfaces for simultaneous connection of an auxiliary display and printer or PC; built-in density determination software.



Swiss
Weighing
Technology

Swiss Weighing Technology

METTLER TOLEDO stands for Jewelry balances based on Swiss Weighing Technology. Our balances are built to last and designed to be accurate and reliable in even the toughest working environments. Be confident in highly reproducible weighing results.



The Jewelry Premium Balance Family High Resolution for Maximum Accuracy

The requirements of goldsmiths, jewelry manufacturers and retailers are diverse, but all need a balance providing absolutely precise and accurate results they can trust in under all circumstances and in all environments.

The JP balance family from METTLER TOLEDO offers Swiss Weighing Technology and includes a large range of balances from high-precision models for assay offices and hallmarking to high-capacity balances for weighing larger quantities in manufacturing and inventory taking. Specifications differ between models, but the range shows consistent hallmarks:

A robust and accurate Monobloc weighing cell including fully automatic self-adjustment with internal weights (FACT), easy and straight forward operation, plus a bright and clear display of the weighing results.

METTLER TOLEDO

Gold & Carat Balances – Model overview



Readability	Model	Capacity	Repeatability	Pan size (mm)	Interfaces	Calibration
0.01 mg / 0.1 mg	JP105DUG	42 g / 120 g	0.01 mg / 0.1 mg	∅ 80	RS232, USB	FACT
0.001 g	JP303G	320 g	0.001 g	∅ 120	2 x RS232	FACT
	JP503G	520 g	0.001 g	∅ 120	2 x RS232	FACT
0.01 g	JP802G	820 g	0.01 g	170 x 190	2 x RS232	FACT
	JP2002G	2200 g	0.01 g	170 x 190	2 x RS232	FACT
	JP3002G	3200 g	0.01 g	170 x 190	2 x RS232	FACT
	JP4002G	4200 g	0.01 g	170 x 190	2 x RS232	FACT
	JP6002G	6200 g	0.01 g	170 x 190	2 x RS232	FACT
	JP10002G*	10200 g	0.01 g	170 x 200	RS232, USB	FACT
	JP12002G	12200 g	0.01 g	170 x 200	RS232, USB	FACT
0.1 g	JP8001G	8200 g	0.1 g	170 x 190	2 x RS232	FACT
0.1 g	JP16001G	16200 g	0.1 g	351 x 245	RS232, USB	FACT
	JP32001G	32200 g	0.1 g	351 x 245	RS232, USB	FACT

* only approved version



Readability	Model	Capacity	Repeatability	Pan size (mm)	Interfaces	Calibration	Carat Pan
0.1 mct / 1 mct	JP105DUG	210 ct / 600 ct	0.1 mct / 1 mct	∅ 80	RS232, USB	FACT	-
0.001 ct / 0.1 mg	JP703C	700 ct / 140 g	0.001 ct / 0.1 mg	∅ 90	2 x RS232	FACT	S/M/L
	JP1203C	1200 ct / 240 g	0.001 ct / 0.1 mg	∅ 90	2 x RS232	FACT	S/M/L
	JP1603C	1600 ct / 320 g	0.001 ct / 0.1 mg	∅ 90	2 x RS232	FACT	S/M/L

Features



FACT

Fully automatic time- and temperature controlled internal adjustment



Density

Embedded measurement software for density determination of liquids and solids



Date and Time

Built-in time and date function



PC direct

Transfer weighing data to a PC without additional software



Battery Operation

Full independence from power supply for 8 hours (not JP105DUG, JP16001G, JP32001G)



Below Weighing

Hook for weighing below the balance



Protective Cover

Protects the balance from stains and scratches



Display

High contrast HCD display for maximum readability

Approval

Approved versions of all models in most countries available

Units

ct, g, mg, kg, pound, ounce, troy ounce, grain, penny-weight, momme, mesghal, Hong Kong tael, Singapore tael, Taiwan tael, tical, tola, Baht (subject to country regulations)

Applications

Density, Check Weighing, Statistics, Totalling, Recall, Piece Counting, Percent Weighing, Free Factor, Diagnostics

Accessories

Accessories		Order No.
Density Kit	For JP105DUG	30004077
	For JP303G, JP503G, JP503G	11142144
Compact Printer	RS-P28/11 printer with Date / Time, Statistics, Totalling	11124309
Auxiliary Display	AD-RS-J7	12122380
Draft shield	For JP with pan size 170 x 190 mm	12121015
LabX Direct Balance	Data management PC software	11120340

www.mt.com/jewelry

For more information



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Subject to technical changes

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