

» TANITA® and TANGENT® digital pocket scales easy to use with LCD screen for clear reading. The precision and capacity values are displayed in grams (g). Tare function, high precision, calibration possible and display for low battery. All the scales delivered with batteries, user's manual and synthetic pouch.



MSA	Model	Capacity	Precision	Colour	Kg
42.104	1230	20 g	0.002 g	Black	0.230

TANITA® pocket scale with 4 weighing units : g, ct, ozt and gn.
Size : 84 x 154 x 27 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.105	Tangent 102	100 g	0.1 g	Black	0.202

TANGENT® pocket scale.
Size : 67 x 137 x 19 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.101	Tangent KP-103	120 g	0.1 g	Black	0.156

TANGENT® pocket scale.
Size : 90 x 113 x 20 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.110	1479V	120 g	0.1 g	Black	0.203

TANITA® pocket scale.
Size : 155 x 75 x 15 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.102	Tangent KP-104	200 g	0.1 g	Black	0.140
42.103	"	300 g	"	Silver	"

TANGENT® pocket scale.
Size : 60 x 135 x 16 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.119	KP-400M	400 g	0.1 g	Black	0.391

TANITA® pocket scale with 4 weighing units: g, oz, ozt and dwt.
Size : 130 x 184 x 16 mm.



MSA	Model	Capacity	Precision	Colour	Kg
42.125	1475T	1200 g	1.0 g from 0 to 500 g 2.0 g from 501 to 1200 g	Anthracite	0.251

TANITA® pocket scale.
Size : 165 x 278 x 22.5 mm.

» KERN® balances and scales are worldwide renowned for being precise and reliable. The capacity and precision values are displayed in grams (g). Tare function, parts counting, memory, percentage determination and internal or external adjusting are possible. All balances and scales are delivered with user's manual. Numerous of other models are available according to your needs. Please contact us.



MSA	Model	Power	Capacity	Precision	Kg
42.142	CM 150-1N	Piles AAA x 2	150 g	0.1 g	0.170

KERN® pocket scale. LCD display with numbers height 12 mm. AUTO-OFF function after 4 mn. Hard case cover to protect the scale against dusts and pressures. Integrated calculator.

Delivered with use manual.

Dimensions : overall : 85 x 130 x 25 mm and weight platform : 70 x 80 mm.



MSA	Model	Power	Capacity	Precision	Kg
42.148	CM 50-C2N	Piles AAA x 2	10 g/50 ct	0.002 g/ 0.01 ct	0.200

KERN® pocket scale for carats. LCD display digit height 9 mm. AUTO-OFF function after 4 mn. Hard case cover to protect the scale against dusts and pressures. Integrated calculator. Compatible reading g/ct just in one touch.

Delivered ready to use with a test weight, an air movements protection and a tray.

Dimensions : overall : 85 x 130 x 25 mm and weight platform : 50 x 40 mm.



MSA	Model	Voltage	Capacity	Precision	Kg
42.133	EW 220-3NM	220 V	220 g	0.001 g	1.300

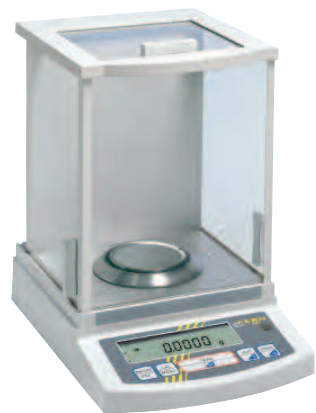
KERN® analytical balance. LCD retro-light display digit height 17 mm.

Other measuring units : ct, oz, lb, ozt, dwt, gn, tl, mom and tola.

Standard equipment : external adjusting weight, Counting reference by 10, 30, 50 and 100 pieces, RS 232 Data Interface, GLP protocol and 220V adapter. Delivered with protective cover for key pad and draft shield.

Dimensions without draft shield : 235 x 185 x 165 mm and platform ø 118 mm.

ATTENTION : the approval certificate is possible and should be precised on your purchase order. Ulterior certification will not be possible.



MSA	Model	Voltage	Capacity	Precision	Kg
42.323	ABJ 120-4M	220 V	120 g	0.001 g	7.000
42.175	ABJ 220-4M	220 V	220 g	0.001 g	7.000

KERN® analytical balance. LCD display with digit height 13 mm.

Standard equipment : external adjusting weight CAL, counting reference by 10, 30, 50 and 100 pieces, RS 232 Data, Interface, GLP protocol and 220V adapter. Delivered with protective cover for key pad and draft shield.

Dimensions with draft shield : 225 x 315 x 330 mm and platform ø 80 mm.

ATTENTION : the approval certificate is possible and should be precised on your purchase order. Ulterior certification will not be possible.



MSA	Model	Voltage	Capacity	Precision	Kg
42.174	PFB 200-3	220 V	200 g	0.001 g	2.000
42.137	PFB 1200-2	220 V	1200 g	0.01 g	2.000

KERN® precision balance. LCD retro-light display digit height 15 mm.

Level indicator and foot screws.

Counting reference by 10, 30, 50 and 100 pieces RS 232 Data, percentage determination and 220V adapter.

Dimensions balance : 200 x 257x 87 mm and platform ø 80 mm (42.174) and ø 120 mm (42.137).



MSA	Model	Voltage	Capacity	Precision	Kg
42.160	440-53N	220 V	6 kg	1 g	1.000

KERN® best-seller precision balance among other laboratory balances. LCD retro-light display digit height up to 15 mm. Other units measured: oz, ozt, lb, dwt, mo, tol, tael HK and tael Taiwan.

Standard equipment : external adjusting weight, counter for 5, 10, 25 and 50 pieces, RS 232 data interface, GLP protocol, separate memory formula, percentage determination and 220V adapter. Delivered with weight control (1 Kg) and protective cover for key pad and balance.

Optional equipment : rechargeable battery that lasts 20 hours (recharging period of 10 hours).

Size : balance 165 x 230x 80 mm and platform 150 x170 mm.



MSA	Model	Voltage	Capacity	Precision	Kg
42.324	PLJ3500-2NM	220 V	3500 g	0.001 g	4.400

KERN® precision balance. PRE-TARE function. LCD retro-light display digit height 17 mm. AUTO-OFF function.

Counting reference by 10, 30, 50 and 100 pieces RS 232 Data, percentage determination and 220V adapter.

Delivered with protective cover.

Dimensions balance : 206 x 335 x 85 mm and platform 195 x 195 mm.

ATTENTION : the approval certificate is possible and should be precised on your purchase order. Ulterior certification will not be possible.



MSA	Model	Voltage	Capacity	Precision	Kg
42.141	EMB 1000-2	9 V x 1	1000 g	0.01 g	0.500
42.144	EMB 1200-1	9 V x 1	1200 g	0.1 g	0.500

KERN® precision balance. Manual weight TARE function. LCD retro-light display digit height 15 mm. AUTO-OFF function.

Optional equipment : 220 V adaptor, rechargeable battery life duration 24 hours and 8 hours time of recharge.

Dimensions balance : 170 x 240 x 39 mm and platform ø 150 mm.



MSA	Model	Voltage	Capacity	Precision	Kg
42.116	CH 15K20	220 V	15 kg	20 g	0.250

KERN® hanging scale for suspended loads. Ready to use with 1 9V battery included. Auto-Off function after 3 minutes without modifying load for saving battery consumption. LCD display digit height up to 11 mm, stainless steel hook and pulling measuring band up to 100 cm.

Standard equipment : external adjusting weight, tare function and Data-Hold (hold weight display for about 5 seconds).

Size : scale 90 x 30 x 175 mm (with hook 90 x 30 x 270 mm).

» **Test weights for balance KERN®.**



MSA
42.194

Set of test weights Class M1, 1 mg – 100 g. The test weights are exclusively used for adjusting and testing the electronic balances. An optional DKD calibration certificate can be delivered under reference MSA 42.194-C. Delivered in wooden case.

» **KERN® thermal printer.**



MSA	Voltage	Size mm	Kg
42.313	220 V	165 x 140 x 50	2.000

Standard YKB-01 thermal printer. 0.75 lines/second and maximum 40 characters per line. Paper roll 112 mm width. Factory configuration (interface cable printer length 1.5 m included if balance and printer purchased together (cable not included if printer purchased separately).

Delivered with 220V adapter.

Replacement paper :

MSA	Element
42.313-A	Paper roll



MSA	Voltage	Size mm	Kg
42.314	220 V	116 x 215 x 85	2.000

YKT-01 thermal printer for statistics compatible with BPL protocol for all KERN balances with RS 232 data interface. Silent and rapid, 5 lines/second, maximum 24 characters per line (displays 2 lines). Paper roll 58 mm width. Factory configuration (interface cable printer length 1.5 m included if balance and printer purchased together (cable not included if printer purchased separately).

Delivered with 220 V adapter.

Replacement paper :

MSA	Element
42.314-A	Paper roll



MSA	Box size mm	Metric carats	Kg
42.000	108 x 63 x 31	10	0.100
42.005	"	25	0.200
42.010	"	50	0.250
42.015	"	100	0.350

Classic diamond scale.
Delivered in a wooden box with small weights for measurement in metric carats.

