

PRODUCT BROCHURE

KERN EG 4200-2NM

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ENGLISH



The classic balance with robust tuning fork measuring system

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PRODUCT SHOWCASE



DESCRIPTION

- Internal adjustment in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- Stable temperature behaviour
- Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	EG 4200-2NM
Model-Serie	EG
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances
Product usage type	Main article

EAN code (Model)	4045761212664
Predecessor Model	EG 4200-2NM-2017a
Customs tariff number	90160010
CE Label	yes

Technical data - Primary

Weighing capacity	4200 g
Readability	0.01 g
Repeatability	0.01 g

Linearity	± 0.02 g
Minimum piece weight	100 mg
Weighing surface (d)	180×160 mm

Technical data - Construction

Dimension housing (W×D×H)	180×235×75 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	plastic
Dimensions of weighing plate (W×D)	180×160 mm
Weighing surface (d)	180×160 mm

Technical data - Display

Display height	17 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	AUS;CH;EURO;UK;US
Charging time	12 h
Input Voltage	220 V - 240 V AC, 50 Hz
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with internal weight (manual)
Linearity	± 0.02 g
Minimum weight (USP)	20 g

Readability	0.01 g
Repeatability	0.01 g
Stabilisation time under laboratory conditions	3 s
Warm up time	4 h
Carat - max capacity	2 1000 ct
Carat - readout	0.1 ct

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	30 °C
Minimum ambient temperature	10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	410×325×230 mm
Gross weight	6 kg
Net weight	4 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	905 g
Packaging component - by weight - plastics	30 g
Packaging component - by weight - styrofoam	0 g
Packaging component - by weight - glass	0 g
Packaging component - by weight - wood	0 g

Packaging component - by weight - foam	100 g
Packaging component - by weight - metal	0 g
Delivery time	1 d

Factory



Technical data - Counting data

Counting resolution	420000
Minimum piece weight at piece counting (Laboratory)	10 mg
Minimum piece weight	100 mg

Technical data - Verification

Verification value (e)	0.1 g
Minimum load (Min)	0.5 g
Verification by KERN possible	yes
Verification class	II

Optional Services

DAkkS Calibration	963-127
Verification	965-216

FUNCTIONS

Standard	
CAL INT	RS 232
GLP PRINTER	PCS
PERCENT	UNIT
TOL	MULTI
T-FORK	1 DAY
Option	
UNDER	ACCU
DAkkS +3 DAYS	

ACCESSORIES

Model	Description
EG-A06	Internal Rechargeable Battery Pack KERN EG-A06
EG-A08	Suspended weighing KERN EG-A08
EG-A09	Protective Working Cover KERN EG-A09
911-013	Matrix needle printer KERN 911-013
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
AFH 13	Converter KERN AFH 13
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
474-926	Interface cable 474-926
YPS-03	Antivibration table YPS-03
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
YKA-03N	Power Adapter KERN YKA-03N
YKC-01	Thermal printer KERN YKC-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
965-216	Verification / Conformity assessment according to NAWI (2014/31/EU) KERN 965-216
963-127	DAkkS Calibration KERN 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-106	Warranty extension KERN (+2 years) 970-106

SPARE PARTS

Model	Description
EG-A06	Internal Rechargeable Battery Pack KERN EG-A06

Model	Description
EG-A09	Protective Working Cover KERN EG-A09
REWN-5001	Power socket REWN-5001
REWN-01-001	LCD Screen REWN-01-001
REWN-02-003	Storage of measured values as well as their transmission to the interface with up to per measuring channelREWN-02-003
REWN-03-003	Measurement accuracy: - with internal load cell: 0.1% of [Max] - with external load cell: among other things from the load cells usedREWN-03-003
REWN-04-002	Rubber shock absorber KERN REWN-04-002
REWN-05-003	External mains adapter, for connection to the USB-C connectorREWN-05-003
REWN-06-003	Adjustable base foot REWN-06-003
REWN-07-003	Simultaneous measurement on up to four channels. External sensors with sensor data memory, optionally availableREWN-07-003
REWN-07-004	Simultaneous measurement on up to four channels. External sensors with sensor data memory, optionally availableREWN-07-004
REWN-09-001	Level bubble REWN-09-001
REWN-4003	Keyboard overlay KERN REWN-4003
REGA-4002	Display overlay REGA-4002
REGA-2005	Main PCB REGA-2005
REGA-8001	Mounting KERN REGA-8001
YKA-50	Power Adapter KERN YKA-50
YKA-03N	Power Adapter KERN YKA-03N

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
EG 220-3NM	220 g	0.001 g	0.001 g	± 0.002 g	10 mg	118 mm
EG 2200-2NM	2200 g	0.01 g	0.01 g	± 0.01 g	100 mg	180×160 mm
EG 4200-2NM	4200 g	0.01 g	0.01 g	± 0.02 g	100 mg	180×160 mm
EG 420-3NM	420 g	0.001 g	0.001 g	± 0.003 g	10 mg	118 mm

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
EG 620-3NM	620 g	0.001 g	0.001 g	± 0.004 g	10 mg	118 mm