KERN PBJ 4000-2M

Multifunctional laboratory balance with single-cell weighing system, with optional verification



Article codes, product groups & Status information	
Model article-code	PBJ 4000-2M
Model-Serie	PBJ
Assortment	Scales
Segment	Laboratory balances
Product group	Precision balances
Product usage type	Main article
EAN code (Model)	4045761492790
Predecessor Model	PBJ 4.200-2M
Planned start date	2026-1HJ
Customs tariff number	90160010
CE Label	Yes
Country of Origin	PH

Technical data - Primary	
Weighing capacity	4.200 g
Readability	0,01 g
Repeatability	0,01 g
Linearity	± 0,02 g
Minimum piece weight	5 g
Weighing surface (d)	176×189 mm

Technical data - Construction	
Dimension housing (W×D×H)	191×317×79 mm
Bubble Level	Yes
Material weighing plate	Stainless steel
Revolving screw feet	Yes
Casing material	Cast aluminium
Dimensions of weighing plate (W×D)	176×189 mm

Technical data - Display	
Display height	14 mm
Backlight	Yes

Technical data - Power supply	
Mains adapter/adapter included	CH;EURO
Input Voltage	100 V - 240 V, 50 / 60 Hz
Interfaces	RS-232 standard - 2x

Technical data - Measuring system	
Calibration method	Internal calibration (automatic)
Minimum weight (USP)	20 g
Stabilisation time under laboratory conditions	2,5 s
Tare range	4.200 g
Warm up time	120 min
Carat - max capacity	21.000 ct
Carat - readout	0,1 ct

Technical data - Environmental conditions	
Maximum humidity	80 %
Maximum operating temperature	30 °C
Minimum ambient temperature	10 °C

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Technical data - Packing & Shipping	
Dimensions packaging (W×D×H)	450×370×255 mm
Gross weight	7 kg
Net weight	5,0 kg
Shipping method	Parcel service
Packaging component - by weight - paper	165 g
Packaging component - by weight - cardboard	1,517 g
Packaging component - by weight - plastics	30 g
Packaging component - by weight - styrofoam	0 g
Packaging component - by weight - wood	0 g
Packaging component - by weight - foam	100 g
Delivery time	1 d

Technical data - Counting data	
Counting resolution	8.400
Mininum piece weight at piece counting (Laboratory)	500 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



Option



Factory

