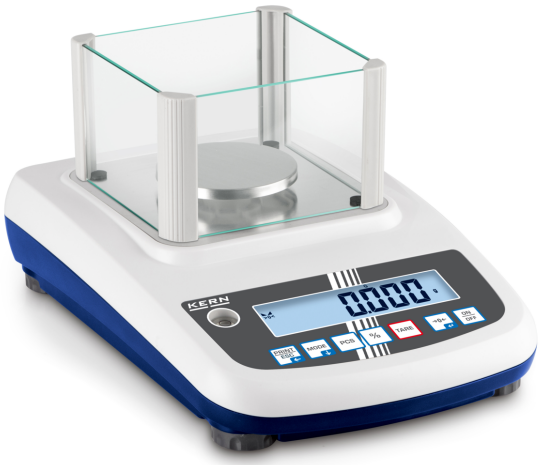
KERN **PFB 120-3**

Quick-display precision balance with user-friendly concept of operation mode - now also with checkweighing function



Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PFB

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	120 g
USP Minimum weight of sample (k = 2, U = 0.1%)	4 g
Readability [d]	0,001 g
Reproducibility	0,002 g
Linearity	± 0,003 g
Resolution	120.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (F1)
Possible calibration points	40 g; 80 g; 120 g
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,004 g
Construction type of the scale	Single-range balance
Units	kg g t gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa m
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g

Display

Display type	LCD
Display backlight	✓
Display screen size	129×27
Display digit height	21 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	210×315×90 mm
Dimensions completely mounted (W×D×H)	210×315×160 mm
Dimensions rectangular draught shield - inner (W×D×H)	140×150×65 mm
Dimensions rectangular draught shield - outer (W×D×H)	147×163×80 mm
Dimensions weighing surface (Ø)	80 mm
Dimensions weighing surface	80 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material draught shield	glass
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,1 Nm

Functions

PreTare function	✓
Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	60.000

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Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	2 mg
Smallest piece weight when piece counting - normal conditions	20 mg
Reference quantity	5, 10, 20, 50, free, Input
Hold function	✓
IP protection - display	no IP protection
IP protection - load cell	IP65
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Tare function	manual (multi)
Number of keys for operation	7

Interface

Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory)

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Li-Ion
Battery connection	2-pole tub connector
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	1740 g
Battery capacity (Wh)	0,63 Wh
Battery – Lithium content	55 mg
Rechargeable battery operating time - backlight on	36 h
Rechargeable battery operating time - backlight off	72 h
Rechargeable battery charging time	6,5 h
Rechargeable battery optional	Rchrg. battery optional (factory)

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	30 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	380×280×280 mm
Shipping method	Parcel service
Net weight approx.	1,4 kg
Gross weight approx.	2,6 kg
Shipping weight	6 kg
Shipping volume weight	6 kg

Product information

GTIN/EAN number	4045761476257
Trade number	90160010
REACH classification	no prohibited substances

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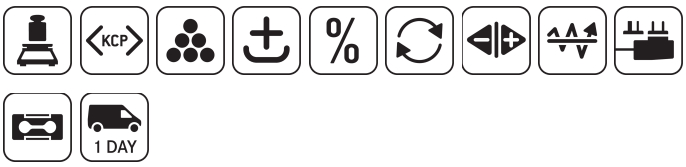
Pictograms

STANDARD



OPTION

FACTORY