KERN **PFB 300-3**
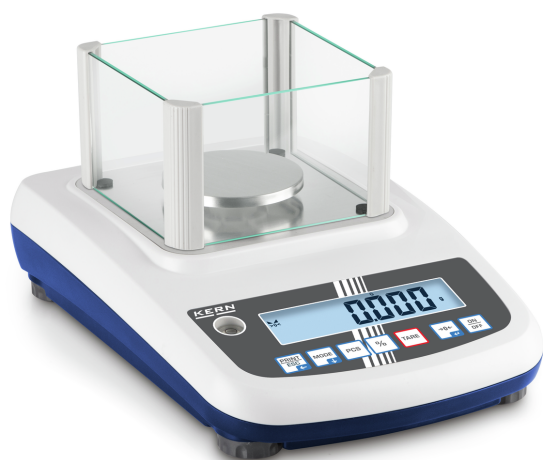
Quick-display precision balance with user-friendly concept of operation mode - now also with checkweighing function

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Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	300 g
Readability [d]	0,001 g
Reproducibility	0,003 g
Linearity	± 0,005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	6 g
Resolution	300.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	300 g (F1)
Possible calibration points	100 g; 200 g; 300 g
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,004 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Units	kg g t gn dwt tl (Tw) tl (HK)

Display

Display type	LCD
Display backlight	✓
Display screen size	129 x 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	✓
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)	150.000

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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
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
Plug-in 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
Input voltage device / power [Max]	12 V, 500 mA
Battery / accumulator type	Li-Ion
Battery connection	Plug-in terminals
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.	1,2 kg
Gross weight approx.	2,6 kg
Shipping weight	6 kg

Pictograms

STANDARD

CAL EXT | RS 232 | KCP PROTOCOL | GLP PRINTER | PCS | RECIPE | PERCENT | UNIT | MOVE

TOL | MULTI | DMS | 1 DAY

OPTION

DAkkS +3 DAYS

FACTORY

BT | ACCU