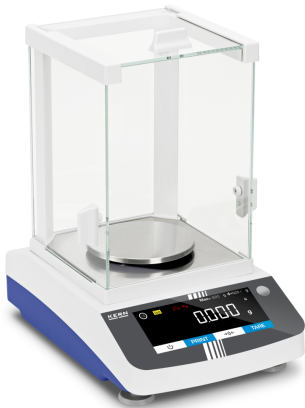


# KERN PDT 1000-3

Precision balance with flexible functionality and touch display



**Date of creation: 23.06.2026**

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PDT
Measuring System	
Weighing system	Force compensation
Weighing capacity [Max]	1020 g
USP Minimum weight of sample (k = 2, U = 0.1%)	8 g
Readability [d]	0,001 g
Automatic adjustment - Standard temperature deviation	2 °C
Automatic adjustment - Standard time interval	4 h
Reproducibility	0,004 g
Linearity	± 0,005 g
Resolution	1.020.000
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	1 kg (E2)
Possible calibration points	500 g; 1 kg
Stabilization time	4 s
Eccentric loading at 1/3 [Max]	0,009 g
Construction type of the scale	Single-range balance
Units	kg g mg gn dwt tl (Tw) ozt

ct  
lb  
N  
oz  
ffa

Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g

Display	
Display type	LCD
Display type	LCD
Display backlight	✓
Display screen size	140×48 mm
Display segments	7
Display digit height	20 mm
Languages of the user interface	English Symbol language

Construction	
Dimensions completely mounted (W×D×H)	213×322×360 mm
Dimensions rectangular draught shield - inner (W×D×H)	174×162×228 mm
Dimensions rectangular draught shield - outer (W×D×H)	201×220×256 mm
Dimensions weighing surface (Ø)	115 mm
Dimensions weighing surface	115 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	glass
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Counting function	✓

# KERN PDT 1000-3

# KERN

Precision balance with flexible functionality and touch display

Counting resolution (laboratory conditions)	102.000
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Reference quantity	5, 10, 20, 50, 100
Peak function	✓
Statistic function	✓
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	4

## Interface

Interfaces	RS-232 standard USB-Device
------------	-------------------------------

## 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
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	12 V; 2 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,8 mm
Battery capacity	40 mAh
Battery voltage	3 V
Battery - Number of cells	1
Battery - Individual weight	0,8 g
Battery - Lithium content	55 mg
Battery - Tests passed UN 38.3	✓

## Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	25 °C
Humidity of environment [Min]	15 %
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

## Approval

CE mark	✓
---------	---

## Services (optional)

Article number for DAkks calibration	963-103
Article number for certificate of conformity	969-517

## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	325×443×396 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	11,4 kg
Shipping volume weight	11,4 kg

## Product information

GTIN/EAN number	404576 1484795
Trade number	90160010
REACH classification	no prohibited substances

## Pictograms

### STANDARD



### OPTION

