

# KERN ABS 320-4N

# KERN

The bestseller in analytical balances, with high-quality single-cell weighing system



tl (HK)  
ozt  
tl (Singap, Malays)  
ct  
oz  
tl (Cn)  
mom

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ABS-N

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	320 g
Weighing capacity [Max] (ct)	1600 ct
Readability [d]	0,0001 g
Readability carat [d] (ct)	0,001 ct
Reproducibility	0,0002 g
Linearity	± 0,0003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Resolution	3.200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	300 g (E2)
Possible calibration points	150 g
Stabilization time	3 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0005 g
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g

Units

g  
mg  
gn  
dwt  
tl (Tw)

Display	
Display type	LCD
Display backlight	no
Display screen size	115×32 mm
Display digit height	14 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	213×333×338 mm
Dimensions rectangular draught shield - inner (W×D×H)	174×162×227 mm
Dimensions rectangular draught shield - outer (W×D×H)	201×220×256 mm
Dimensions weighing surface (Ø)	91 mm
Dimensions weighing surface	91 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	None
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	320.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	5, 10, 20, 50, 100

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Auto-off interval(s) in mains power mode 0 - 99 min

Tare function manual (multi)

Number of keys for operation 6

## Interface

Interfaces RS-232 (optional)

## 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] 110 V - 230 V AC

Input voltage device / power [Max] 12 V DC, 1000 mA

## Environmental conditions

Ambient temperature [Min] 10 °C

Ambient temperature [Max] 30 °C

Humidity of environment [Min] 20 %

Humidity of environment [Max] 85 %

Storage temperature [Min] -10 °C

Storage temperature [Max] 50 °C

## Approval

CE mark ✓

## Services (optional)

Article number for DAkkS calibration 963-101

Article number for certificate of conformity 969-517

## Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 388×570×530 mm

Shipping method Parcel service

Net weight approx. 6 kg

Gross weight approx. 9 kg

Shipping weight 23,4 kg

## Pictograms

### STANDARD



### OPTION

