

# KERN ABT 100-5NM

The premium model with single-cell weighing system



## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,150 mg
Linearity:	0,150 mg
Minimum weight (USP):	100 mg
Readability [d]:	0,010 mg
Repeatability:	0,050 mg
Resolution:	10.100.000
Stabilisation time under laboratory conditions:	10 s
Tare range:	101 g
Warm up time:	8 h
Weighing capacity [Max]:	101 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	1 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg

## Counting

Counting resolution:	101000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	110 V - 230 V AC
Mains adapter:	Mains adapter external
Mains adapter/adaptor included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	433 x 684 x 647 mm
Gross weight:	12,657 kg
Net weight:	7,529 kg
Shipping method:	Parcel service

# KERN ABT 100-5NM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	217 x 356 x 338 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY



# KERN ABT 120-4NM

The premium model with single-cell weighing system

# KERN®



## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,500 mg
Linearity:	0,200 mg
Minimum weight (USP):	200 mg
Readability [d]:	0,100 mg
Repeatability:	0,100 mg
Resolution:	1.200.000
Stabilisation time under laboratory conditions:	4 s
Tare range:	120 g
Warm up time:	8 h
Weighing capacity [Max]:	120 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	10 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg

## Counting

Counting resolution:	120000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adaptor included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation:	961-247
DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	590 x 400 x 540 mm
Gross weight:	12 kg
Net weight:	7 kg
Shipping method:	Parcel service

# KERN ABT 120-4NM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	217 x 356 x 338 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY



# KERN ABT 120-5DNM

The premium model with single-cell weighing system



## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,500 mg
Linearity:	0,050 mg   0,200 mg
Minimum weight (USP):	40 mg
Readability [d]:	0,010 mg   0,100 mg
Repeatability:	0,020 mg   0,100 mg
Resolution:	4.200.000 1.200.000
Stabilisation time under laboratory conditions:	10 s   4 s
Tare range:	120 g
Warm up time:	8 h   8 h
Weighing capacity [Max]:	42 g   120 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	1 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg   1 mg

## Counting

Counting resolution:	120000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adaptor included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	430 x 685 x 650 mm
Gross weight:	12,600 kg
Net weight:	7,500 kg
Shipping method:	Parcel service

# KERN ABT 120-5DNM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	215 x 340 x 335 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY





# KERN ABT 220-4NM

The premium model with single-cell weighing system



## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,500 mg
Linearity:	0,200 mg
Minimum weight (USP):	200 mg
Readability [d]:	0,100 mg
Repeatability:	0,100 mg
Resolution:	2.200.000
Stabilisation time under laboratory conditions:	4 s
Tare range:	220 g
Warm up time:	8 h
Weighing capacity [Max]:	220 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	10 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg

## Counting

Counting resolution:	220000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adaptor included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	400 x 585 x 545 mm
Gross weight:	11,300 kg
Net weight:	7,650 kg
Shipping method:	Parcel service

# KERN ABT220-4NM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	217 x 345 x 330 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY





# KERN ABT 220-5DNM

The premium model with single-cell weighing system

# KERN®



## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,500 mg
Linearity:	0,100 mg   0,200 mg
Minimum weight (USP):	100 mg
Readability [d]:	0,010 mg   0,100 mg
Repeatability:	0,050 mg   0,100 mg
Resolution:	8.200.000 2.200.000
Stabilisation time under laboratory conditions:	10 s   4 s
Tare range:	220 g
Warm up time:	8 h   8 h
Weighing capacity [Max]:	82 g   220 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	1 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg   1 mg

## Counting

Counting resolution:	220000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adapter included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation:	961-247
DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	430 x 685 x 650 mm
Gross weight:	12,600 kg
Net weight:	7,500 kg
Shipping method:	Parcel service

# KERN ABT 220-5DNM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	215 x 340 x 335 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY



# KERN ABT 320-4NM

The premium model with single-cell weighing system



Verification by KERN possible:	yes
Verification class:	I
Verification value [e]:	1 mg

## Counting

Counting resolution:	320000
Minimum piece weight at piece counting (Laboratory):	1 mg
Minimum piece weight at piece counting (Normal):	10 mg
Reference weight:	yes

## Functions

Capacity display:	yes
Counting function:	yes
Function to save totals:	yes
Percentage determination:	yes
Standby function:	yes
Suspended weighing:	Hook
Vibration-free weighing (Animal weighing program):	yes

## Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	30 °C
Minimum ambient temperature:	10 °C

## Power supply

Input voltage:	220 V - 240 V AC 50 Hz
Mains adapter:	Mains adapter external
Mains adapter/adaptor included:	EURO CH US UK

## Services (optional)

Adjustment at the location of installation:	961-247
DAkkS Certificate:	963-101
Verification:	965-201

## Category

Brand:	KERN
Category:	Balances
Product Group:	Analytical balance

## Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	405 x 580 x 550 mm
Gross weight:	11,500 kg
Net weight:	7,700 kg
Shipping method:	Parcel service

## Measuring system

Adjustment options:	Internal calibration (auto) External calibration Internal calibration (manual)
Eccentric loading at 1/3 [Max]:	0,500 mg
Linearity:	0,300 mg
Minimum weight (USP):	200 mg
Readability [d]:	0,100 mg
Repeatability:	0,100 mg
Resolution:	3.200.000
Stabilisation time under laboratory conditions:	4 s
Tare range:	320 g
Warm up time:	8 h
Weighing capacity [Max]:	320 g
Weighing units:	ct g

## Display

Display digit height (large):	1,400 cm
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## Technical data about verification

Minimum load [Min]:	10 mg
Periodic Verification for Italy:	969-112
Verification approval conforming to 2014/31/EU:	yes

# KERN ABT 320-4NM



The premium model with single-cell weighing system

## Construction

Casing material:	metal
Dimensions draft shield (WxDxH):	200 x 240 x 260 mm
Dimensions housing (WxDxH):	217 x 356 x 337 mm
Level indicator:	yes
Material weighing plate:	stainless steel
Revolving screw feet:	yes
Weighing space (WxDxH):	168 x 172 x 223 mm
Weighing surface (d):	80

## Piktogramme

### STANDARD



### OPTION



### FACTORY

