

KERN 440-21A

The classic balance in the laboratory

KERN®



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	410 x 270 x 220 mm
Gross weight:	1,340 kg
Net weight:	930 g
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions draft shield (ÃxH):	106 42
Dimensions housing (WxDxH):	165 x 230 x 80 mm
Overall dimensions mounted (WxDxH):	165 x 230 x 123 mm
Weighing space (ÃxH):	90 40
Weighing surface (d):	81

Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	3 mg
Linearity:	3 mg
Readability [d]:	1 mg
Recommended adjusting weight:	50 g (F2)
Repeatability:	1 mg
Resolution:	60000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	60 g
Weighing system:	Strain gauge
Weighing units:	ozt ct tl (HK) tol g oz mo dwt tl (Tw) gn

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	30000
Minimum piece weight at piece counting (Laboratory):	2 mg
Minimum piece weight at piece counting (Normal):	20 mg

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-21A

The classic balance in the laboratory



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KERN 440-33N

The classic balance in the laboratory



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	210 x 350 x 175 mm
Gross weight:	1,365 kg
Net weight:	952 g
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 82 mm
Material weighing plate:	stainless steel
Weighing space (WxDxH):	100 x 200 x 100 mm
Weighing surface (d):	105

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Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	30 mg
Linearity:	20 mg
Readability [d]:	10 mg
Recommended adjusting weight:	200 g (M1)
Repeatability:	10 mg
Resolution:	20000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	30 min
Weighing capacity [Max]:	200 g
Weighing system:	Strain gauge
Weighing units:	ozt ct tl (HK) tol g oz mo lb dwt kg tl (Tw) gn

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	10000
Minimum piece weight at piece counting (Laboratory):	20 mg
Minimum piece weight at piece counting (Normal):	200 mg

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-35A

The classic balance in the laboratory

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Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	345 x 215 x 170 mm
Gross weight:	1,380 kg
Net weight:	959 g
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (d):	105

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STANDARD



OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	30 mg
Linearity:	30 mg
Readability [d]:	10 mg
Recommended adjusting weight:	500 g (F2)
Repeatability:	10 mg
Resolution:	60000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	600 g
Weighing system:	Strain gauge
Weighing units:	ozt ct tl (HK) tol g oz mo lb dwt tl (Tw) gn

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	30000
Minimum piece weight at piece counting (Laboratory):	20 mg
Minimum piece weight at piece counting (Normal):	200 mg

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-35N

The classic balance in the laboratory

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Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	212 x 348 x 175 mm
Gross weight:	1,406 kg
Net weight:	1,010 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 235 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (d):	105

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Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	30 mg
Linearity:	30 mg
Readability [d]:	10 mg
Recommended adjusting weight:	200 g (F2); 200 g (F2)
Repeatability:	10 mg
Resolution:	40000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	400 g
Weighing system:	Strain gauge
Weighing units:	ozt ffa ct tl (HK) tol g oz mo lb dwt tl (Tw) gn

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	20000
Minimum piece weight at piece counting (Laboratory):	20 mg
Minimum piece weight at piece counting (Normal):	200 mg

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-43N

The classic balance in the laboratory



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	205 x 345 x 175 mm
Gross weight:	1,510 kg
Net weight:	1,015 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 75 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	130 x 130 mm

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OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	200 mg
Readability [d]:	100 mg
Recommended adjusting weight:	200 g (M2); 200 g (M2)
Repeatability:	100 mg
Resolution:	4000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	10 min
Weighing capacity [Max]:	400 g
Weighing system:	Strain gauge
Weighing units:	ozt ffa tl (HK) tol g oz mo lb dwt tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	2000
Minimum piece weight at piece counting (Laboratory):	200 mg
Minimum piece weight at piece counting (Normal):	2 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-45N

The classic balance in the laboratory



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	210 x 350 x 170 mm
Gross weight:	1,510 kg
Net weight:	1,096 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	130 x 130 mm

Piktogramme

STANDARD



OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	200 mg
Readability [d]:	100 mg
Recommended adjusting weight:	1 kg (M1)
Repeatability:	100 mg
Resolution:	10000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	30 min
Weighing capacity [Max]:	1 kg
Weighing system:	Strain gauge
Weighing units:	ozt ffa tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	5000
Minimum piece weight at piece counting (Laboratory):	200 mg
Minimum piece weight at piece counting (Normal):	2 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-47N

The classic balance in the laboratory

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Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	348 x 212 x 178 mm
Gross weight:	1,564 kg
Net weight:	1,100 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 74 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	130 x 130 mm

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STANDARD



OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	200 mg
Readability [d]:	100 mg
Recommended adjusting weight:	2 kg (M1)
Repeatability:	100 mg
Resolution:	20000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	30 min
Weighing capacity [Max]:	2 kg
Weighing system:	Strain gauge
Weighing units:	ozt tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	10000
Minimum piece weight at piece counting (Laboratory):	200 mg
Minimum piece weight at piece counting (Normal):	2 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-49A

The classic balance in the laboratory



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-248

DAkkS Certificate: 963-128

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	345 x 210 x 170 mm
Gross weight:	1,595 kg
Net weight:	1,180 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	168 x 230 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	150 x 170 mm

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STANDARD



OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	300 mg
Readability [d]:	100 mg
Recommended adjusting weight:	5 kg (F2)
Repeatability:	100 mg
Resolution:	60000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	6 kg
Weighing system:	Strain gauge
Weighing units:	ozt ffa tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	30000
Minimum piece weight at piece counting (Laboratory):	200 mg
Minimum piece weight at piece counting (Normal):	2 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-49N

The classic balance in the laboratory

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Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	300 mg
Linearity:	300 mg
Readability [d]:	100 mg
Recommended adjusting weight:	2 kg (F2); 2 kg (F2)
Repeatability:	100 mg
Resolution:	40000
Stabilisation time under laboratory conditions:	3 s
Warm up time:	2 h
Weighing capacity [Max]:	4 kg
Weighing system:	Strain gauge
Weighing units:	ozt tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	20000
Minimum piece weight at piece counting (Laboratory):	200 mg
Minimum piece weight at piece counting (Normal):	2 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate:	963-127
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Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	210 x 350 x 175 mm
Gross weight:	1,628 kg
Net weight:	1,177 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 75 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	150 x 170 mm

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STANDARD



OPTION



KERN 440-51N

The classic balance in the laboratory



Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-247

DAkkS Certificate: 963-127

Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	347 x 207 x 170 mm
Gross weight:	1,644 kg
Net weight:	1,121 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 80 mm
Dimensions of weighing plate (WxDxH):	153 x 172 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	150 x 170 mm

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STANDARD



OPTION



Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	3 g
Linearity:	2 g
Readability [d]:	1 g
Recommended adjusting weight:	2 kg (M2); 2 kg (M2)
Repeatability:	1 g
Resolution:	4000
Stabilisation time under laboratory conditions:	2 s
Warm up time:	10 min
Weighing capacity [Max]:	4 kg
Weighing system:	Strain gauge
Weighing units:	ozt tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	2000
Minimum piece weight at piece counting (Laboratory):	2 g
Minimum piece weight at piece counting (Normal):	20 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

KERN 440-51N

The classic balance in the laboratory



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Measuring system

Adjustment options:	External calibration
Eccentric loading at 1/3 [Max]:	3 g
Linearity:	2 g
Readability [d]:	1 g
Recommended adjusting weight:	5 kg (M2)
Repeatability:	1 g
Resolution:	6000
Stabilisation time under laboratory conditions:	2 s
Warm up time:	30 min
Weighing capacity [Max]:	6 kg
Weighing system:	Strain gauge
Weighing units:	ozt tl (HK) tol g oz mo lb dwt kg tl (Tw)

Display

Display digit height (large):	1,500 cm
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Counting

Counting resolution:	3000
Minimum piece weight at piece counting (Laboratory):	2 g
Minimum piece weight at piece counting (Normal):	20 g

Functions

Counting function:	yes
Percentage determination:	yes
Vibration-free weighing (Animal weighing program):	yes

Environmental conditions

Maximum humidity:	80 %
Maximum operating temperature:	35 °C
Minimum ambient temperature:	5 °C

Power supply

Battery:	9 V Block
Charging time:	10 h
Input voltage:	100-240V AC 50/60Hz 0.5A
Mains adapter/adaptor included:	EURO CH UK US
Operating time:	20 h
Operating time (Backlight off):	20 h
Rechargeable battery:	Rchrg. battery optional

Services (optional)

Adjustment at the location of installation: 961-248

DAkkS Certificate:	963-128
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Category

Brand:	KERN
Category:	Balances
Product Group:	Precision balance

Packaging & shipping

Delivery:	24 h
Dimensions packaging (WxDxH):	350 x 210 x 170 mm
Gross weight:	1,601 kg
Net weight:	1,182 kg
Shipping method:	Parcel service

Construction

Casing material:	Plastic
Dimensions housing (WxDxH):	165 x 230 x 80 mm
Material weighing plate:	stainless steel
Weighing surface (WxD):	150 x 170 mm

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OPTION

