

Standard

CAL EXT **Adjusting program (CAL):** for quick setting of the balance's accuracy. External adjusting weight required.

PCS **Piece counting:** reference quantities selectable. Display can be switched from piece to weight.

RS 232 **Data interface:** RS 232 C, bidirectional, for connection of printer or PC.

REZ **Net-total weighing:** weight of tare-cup and weight of components memorized in two separate stores.

% **Percentage determination:** Displays the deviation from the reference weight (100%) in % instead of grammes.

UNIT **UNIT:** Weighing units can be switched to e.g. non-metric units at the touch of a key. See balance model.

230V **Mains adapter:** 230 V / 50 Hz. Standard type D, if requested also available in standard GB, AUS or USA.

Option (addit. price)

AKU **Accu-supply:** rechargeable set.

KERN - Your DKD Calibration Partner

issues DKD calibration certificates for balances and test weights in its own accredited laboratories. It is internationally valid.

KERN is manufacturer of test weights in the international classes of accuracy E1, E2, F1, F2, M1, M2, M3, from 1 mg up to 2000 kg



DKD = German Calibration Service

KERN DE Platform scale

Multi function scale: for parcels, counting, mixing, checking...

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STANDARD



OPTION



New model

Weighing plate stainless steel
315 x 305 x 75 mm
525 x 400 x 85 mm, illustrated
650 x 500 x 105 mm

Wall mounting for the display device, standard



Adjustment program CAL external test weights additional price

Large LCD display 25 mm digit height

Data transfer e.g. to printer or PC

Protective working cover over display device standard. Can be reordered any time, KERN DE-A02



Battery supply possible Block-Battery (9 V) not standard. AUTO-OFF function after 3 min without a change of load to preserve the battery



Weighing plate 315x305 mm



Weighing plate 650x500 mm



Set for underfloor weighing, only for models up to a Max of 36 kg and platform size 315x305 mm, KERN DS-A01

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Your specialist dealer

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Option (addit. price)



Accu-supply:
rechargeable set.

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Accessories

KERN DE
Platform scale



Display device can be positioned in different ways:

- mounted to the front, standard
- separate standing, cable length approx. 1,5 m
- mounted to the wall, wall mount standard, see illustration below



For quick weighing checks at different locations. The weighing values can be transferred to a PC or printer for further evaluations



Thanks to the formula function various components of a mixture can be weighed together. In order to check, the total weight of all components can be called up



Rechargeable battery pack, external, approx. 150 h, KERN KS-A01



Stand to elevate the display device, stand height 450 mm, KERN DE-A01



Statistics printer, KERN YKT-01 see page 73



Standard printer, KERN YKB-01 see page 73

Model	Read-out	Weighing range	Min. piece weight at piece count.	Net weight approx.	Weighing plate stainl. steel	OPTION
KERN	g	Max kg	g/piece	kg	mm	Certificate DKD for balances, see p. 75 KERN
DE 3K1 N	1	3	2	5	315x305	963-127
DE 6K2 N	2	6	4	5	315x305	963-128
DE 15K5 N	5	15	10	5	315x305	963-128
DE 36K10 N	10	36	20	5	315x305	963-128
DE 36K10 NL	10	36	20	16	525x400	963-128
DE 60K20 N	20	60	40	5	315x305	963-129
DE 60K20 NL	20	60	40	16	525x400	963-129
DE 150K50 N	50	150	100	5	315x305	963-129
DE 150K50 NL	50	150	100	16	525x400	963-129
DE 150K50 NXL	50	150	100	30	650x500	963-129
DE 300K100 N	100	300	200	16	525x400	963-129
DE 300K100 NL	100	300	200	30	650x500	963-129
Fine range						
DE 6K0.5 N	0,5	6	1	5	315x305	963-128
DE 12K1 N	1	12	2	5	315x305	963-128
DE 24K2 N	2	24	4	5	315x305	963-128
DE 60K5 N	5	60	10	5	315x305	963-129
DE 120K10 N	10	120	20	5	315x305	963-129

Display device WxDxH 200x100x55 mm.
Permissible ambient temperature 0 ... +40°C.

PCS Piece counting with reference 5, 10, 25, 50 pieces.
UNITS Further weighing units: lb, oz, ozt, tLH, tLT. **47**

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GB

Measurement data	DE 3K1 N	DE 6K2 N	DE 15K5 N	DE 36K10 N
Reproducibility	1g	2g	5g	10g
Linearity	+/-3g	+/-6g	+/-15g	+/-30g
Stabilisation time (s)	2-3	2-3	2-3	2-3
Sensity drift (°C)	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶
Verification data				
Verification class	-	-	-	-
Verification value	-	-	-	-
Minimum load	-	-	-	-
Verification in the factory possible	-	-	-	-
Ambient conditions				
Permissible temperature	0... +40°C	0... +40°C	0... +40°C	0... +40°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)
Piece counting				
Minimum weight	2g	4g	10g	20g
Reference quantity	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50
Basic equipment				
Protective working cover	Yes	Yes	Yes	Yes
Accumulator	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time
Battery-supply	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time
Auto-Off	In battery mode	In battery mode	In battery mode	In battery mode
Stand-by	after 3min	after 3min	after 3min	after 3min
Mains adapter	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)
Filter steps	-	-	-	-
Type of balance display	LCD	LCD	LCD	LCD
Digit height of balance display	25mm	25mm	25mm	25mm
Levelling feet, level indicator	-	-	-	-
Weighing units	g, kg, oz, ozt, lb, tH, tlt, dwt, mo, tol	g, kg, oz, ozt, lb, tH, tlt, dwt, mo, tol	g, kg, oz, ozt, lb, tH, tlt, dwt, mo, tol	kg, oz, ozt, lb, tH, tlt, mo, tol
Freely programmable weighing units	-	-	-	-
Internal adjusting weight	-	-	-	-
External test weight, included	-	-	-	-
Recommended adjusting weight	1kg, 2kg, 3kg (M3)	2kg, 4kg, 6kg (M3)	5kg, 10kg, 15kg (M3)	10kg, 20kg, 30kg (M3)
Explosion protection	-	-	-	-
Dimensions / materials / weights				
Dim. of weighing plate (WxDxH / Ø, mm)	315x305x70	315x305x70	315x305x70	315x305x70
Dimensions of terminal (WxDxH, mm)	200x100x55	200x100x55	200x100x55	200x100x55
Dimensions of casing (WxDxH, mm)	-	-	-	-
Material of casing	Plastic	Plastic	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	-	-	-	-
Material of draught guard	-	-	-	-
Dimensions of packaging (WxDxH, mm)	510x375x110	510x375x110	510x375x110	510x375x110
Gross weight (kg)	7	7	7	6
Net weight (kg)	5	5	5	5

Important notes:

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- All relevant electrical regulations must be observed.

Measurement data	DE 36K10 NL	DE 60K20 N	DE 60K20 NL	DE 150K50 N
Reproducibility	10g	20g	20g	50g
Linearity	+/-30g	+/-60g	+/-60g	+/-150g
Stabilisation time (s)	2-3	2-3	2-3	2-3
Sensity drift (°C)	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶
Verification data				
Verification class	-	-	-	-
Verification value	-	-	-	-
Minimum load	-	-	-	-
Verification in the factory possible	-	-	-	-
Ambient conditions				
Permissible temperature	0... +40°C	0... +40°C	0... +40°C	0... +40°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)
Piece counting				
Minimum weight	20g	40g	40g	100g
Reference quantity	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50
Basic equipment				
Protective working cover	Yes	Yes	Yes	Yes
Accumulator	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time
Battery-supply	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time
Auto-Off	In battery mode	In battery mode	In battery mode	In battery mode
Stand-by	after 3min	after 3min	after 3min	after 3min
Mains adapter	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)
Filter steps	-	-	-	-
Type of balance display	LCD	LCD	LCD	LCD
Digit height of balance display	25mm	25mm	25mm	25mm
Levelling feet, level indicator	-	-	-	-
Weighing units	kg, oz, ozt, lb, tH, tI, mo, tol	kg, oz, ozt, lb, tH, tI, mo, tol	kg, oz, ozt, lb, tH, tI, mo, tol	kg, oz, ozt, lb, tH, tI, tol
Freely programmable weighing units	-	-	-	-
Internal adjusting weight	-	-	-	-
External test weight, included	-	-	-	-
Recommended adjusting weight	10kg, 20kg, 30kg (M3)	20kg, 40kg, 60kg (M3)	20kg, 40kg, 60kg (M3)	50kg, 100kg, 150kg (M3)
Explosion protection	-	-	-	-
Dimensions / materials / weights				
Dim. of weighing plate (WxDxH / Ø, mm)	522x403x85	315x305x70	522x403x85	315x305x70
Dimensions of terminal (WxDxH, mm)	200x100x55	200x100x55	200x100x55	200x100x55
Dimensions of casing (WxDxH, mm)	-	-	-	-
Material of casing	Plastic	Plastic	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	-	-	-	-
Material of draught guard	-	-	-	-
Dimensions of packaging (WxDxH, mm)	700x600x200	510x375x110	700x600x200	510x375x110
Gross weight (kg)	18	7	18	7
Net weight (kg)	16	5	16	5

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Measurement data	DE 150K50 NL	DE 150K50 NXL	DE 300K100 N	DE 300K100 NL
Reproducibility	50g	50g	100g	100g
Linearity	+/-150g	+/-150g	+/-300g	+/-300g
Stabilisation time (s)	2-3	2-3	2-3	2-3
Sensity drift (°C)	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶
Verification data				
Verification class	-	-	-	-
Verification value	-	-	-	-
Minimum load	-	-	-	-
Verification in the factory possible	-	-	-	-
Ambient conditions				
Permissible temperature	0... +40°C	0... +40°C	0... +40°C	0... +40°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)
Piece counting				
Minimum weight	100g	100g	200g	200g
Reference quantity	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50
Basic equipment				
Protective working cover	Yes	Yes	Yes	Yes
Accumulator	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time
Battery-supply	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time
Auto-Off	In battery mode	In battery mode	In battery mode	In battery mode
Stand-by	after 3min	after 3min	after 3min	after 3min
Mains adapter	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)
Filter steps	-	-	-	-
Type of balance display	LCD	LCD	LCD	LCD
Digit height of balance display	25mm	25mm	25mm	25mm
Levelling feet, level indicator	-	-	-	-
Weighing units	kg, oz, ozt, lb, tIH, tlt, tol	kg, oz, ozt, lb, tIH, tlt, tol	kg, oz, ozt, lb, tIH, tlt	kg, oz, ozt, lb, tIH, tlt
Freely programmable weighing units	-	-	-	-
Internal adjusting weight	-	-	-	-
External test weight, included	-	-	-	-
Recommended adjusting weight (M3)	50kg, 100kg, 150kg (M3)	50kg, 100kg, 150kg (M3)	100kg, 200kg, 300kg (M3)	100kg, 200kg, 300kg
Explosion protection	-	-	-	-
Dimensions / materials / weights				
Dim. of weighing plate (WxDxH / Ø, mm)	522x403x85	650x500x105	522x403x85	650x500x105
Dimensions of terminal (WxDxH, mm)	200x100x55	200x100x55	200x100x55	200x100x55
Dimensions of casing (WxDxH, mm)	-	-	-	-
Material of casing	Plastic	Plastic	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	-	-	-	-
Material of draught guard	-	-	-	-
Dimensions of packaging (WxDxH, mm)	700x600x200	780x740x210	700x600x200	780x740x210
Gross weight (kg)	18	32	18	32
Net weight (kg)	16	28	16	28

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Measurement data	DE 6K0.5 N	DE 12K1 N	DE 24K2 N	DE 60K5 N
Reproducibility	0,5g	1g	2g	5g
Linearity	+/-1,5g	+/-3g	+/-6g	+/-15g
Stabilisation time (s)	2-3	2-3	2-3	2-3
Sensity drift (°C)	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶	66*10 ⁻⁶
Verification data				
Verification class	-	-	-	-
Verification value	-	-	-	-
Minimum load	-	-	-	-
Verification in the factory possible	-	-	-	-
Ambient conditions				
Permissible temperature	0... +40°C	0... +40°C	0... +40°C	0... +40°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)	max. 80% (not condensating)
Piece counting				
Minimum weight	1g	2g	4g	10g
Reference quantity	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50	5, 10, 25, 50
Basic equipment				
Protective working cover	Yes	Yes	Yes	Yes
Accumulator	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time	Option: external, 150h operation time without back-lit, 9h charging time
Battery-supply	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time	9V, 12h operation time
Auto-Off	In battery mode	In battery mode	In battery mode	In battery mode
Stand-by	after 3min	after 3min	after 3min	after 3min
Mains adapter	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)	EURO, UK, US, AUS, (DC 9V/300mA, minus inside)
Filter steps	-	-	-	-
Type of balance display	LCD	LCD	LCD	LCD
Digit height of balance display	25mm	25mm	25mm	25mm
Levelling feet, level indicator	-	-	-	-
Weighing units	g, oz, ozt, lb, tH, tlt, dwt, mo, tol	g, kg, oz, ozt, lb, tH, tlt, dwt, mo, tol	g, kg, oz, ozt, lb, tH, tlt, dwt, mo, tol	g, kg, oz, ozt, lb, tH, tlt, mo, tol
Freely programmable weighing units	-	-	-	-
Internal adjusting weight	-	-	-	-
External test weight, included	-	-	-	-
Recommended adjusting weight	2kg, 4kg, 6kg (M1)	4kg, 8kg, 12kg (M1)	10kg, 15kg, 20kg (M1)	20kg, 40kg, 60kg (M1)
Explosion protection	-	-	-	-
Dimensions / materials / weights				
Dim. of weighing plate (WxDxH / Ø, mm)	315x305x70	315x305x70	315x305x70	315x305x70
Dimensions of terminal (WxDxH, mm)	200x100x55	200x100x55	200x100x55	200x100x55
Dimensions of casing (WxDxH, mm)	-	-	-	-
Material of casing	Plastic	Plastic	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	-	-	-	-
Material of draught guard	-	-	-	-
Dimensions of packaging (WxDxH, mm)	510x375x110	510x375x110	510x375x110	510x375x110
Gross weight (kg)	7	7	7	7
Net weight (kg)	5	5	5	5

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Measurement data		DE 120K10 N
Reproducibility		10g
Linearity		+/-30g
Stabilisation time (s)		2-3
Sensity drift (°C)		66*10^-6
Verification data		
Verification class		-
Verification value		-
Minimum load		-
Verification in the factory possible		-
Ambient conditions		
Permissible temperature		0... +40°C
Permissible humidity		max. 80% (not condensating)
Piece counting		
Minimum weight		20g
Reference quantity		5, 10, 25, 50
Basic equipment		
Protective working cover		Yes
Accumulator		Option: external, 150h operation time without back-lit, 9h charging time
Battery-supply		9V, 12h operation time
Auto-Off		In battery mode
Stand-by		after 3min -
Mains adapter		EURO, UK, US, AUS, (DC 9V/300mA, minus inside)
Filter steps		-
Type of balance display		LCD
Digit height of balance display		25mm
Levelling feet, level indicator		-
Weighing units		kg, oz, ozt, lb, tH, tlt, tol, mo
Freely programmable weighing units		-
Internal adjusting weight		-
External test weight, included		-
Recommended adjusting weight		40kg, 80kg, 120kg (M1)
Explosion protection		-
Dimensions / materials / weights		
Dim. of weighing plate (WxDxH / Ø, mm)		315x305x70
Dimensions of terminal (WxDxH, mm)		200x100x55
Dimensions of casing (WxDxH, mm)		-
Material of casing		Plastic
Dim. of draught guard (WxDxH / ØxH, mm)		-
Material of draught guard		-
Dimensions of packaging (WxDxH, mm)		510x375x110
Gross weight (kg)		7
Net weight (kg)		5

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