

### Standard

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

**TAR** **Tare:** put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container.

### KERN CM-C

#### Carat balance

Precision to 0.01 ct in pocket size

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STANDARD



**Weighing pan**  
standard



**Draft shield**  
against air movements  
standard

**Test weight inclusive**  
Option: with DKD weight  
certificate, see page 75,  
KERN 960-477



**Snap lid**  
as protection against  
pressure and dust

**Soft carrying case**  
standard

**Ready for use**  
Batteries size AAA (2x  
1.5 V) inclusive. AUTO-  
OFF function after 4 min  
without a change of load  
to preserve the batteries

Delivery  
1 day

2  
years  
Warranty

OPTION  
DKD  
Certificate  
+5 days

Model	Readout	Weighing range	OPTION
KERN	d ct   g	Max ct   g	Certi- cate KERN
CM 50-C2 N	0,01   0,002	50   10	963-127

Overall dimensions WxDxH 85x130x25 mm. Net weight approx. 180 g.

### KERN EW-C

#### Carat balance

Compact carat balance up to 0.001 ct, verifiable, portable and space-saving

STANDARD



**Plate for precious stones**  
of stainless steel,  
Ø 60 mm,  
height 15 mm,  
KERN EW-A05



**Rechargeable battery pack,**  
internal, operating  
time approx. 32 h,  
charging time approx.  
12 h, charging  
condition indicator in  
the display,  
KERN EG-A04

**Test weight inclusive**  
Option: DKD certificate for  
the test weight, s. page 75,  
KERN 960-477



Price reduction

**Draft shield**  
with front lid  
which can be  
turned upwards

**Switch from ct to g** with the  
touch of a button



Innovative swivel  
mechanism for quick  
and convenient  
access to the balance  
plate

Delivery  
1 day

3  
years  
Warranty

OPTION  
M  
Verification  
+7 days

DKD  
Certificate  
+5 days

Model	Read-out	Weighing range	Verific. value	Min. load	Repro-ducibility	Linearity	Weighing plate	OPTION alternative
EW 600-C3 NM	d ct   g	Max ct   g	e ct	Min ct	ct	ct	stainl. steel mm	Verifi- cation KERN
								M I Certifi- cate KERN
								DKD 963-121

36 **2** Verification possible only at location of use.  
LCD display, digit height 16 mm.

Overall dimensions incl. draft shield WxDxH 185x235x165 mm.  
Net weight approx. 2 kg.

### 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

### Your specialist dealer

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Measurement data	CM 50-C2 N	EW 600-C3 NM
Reproducibility	0,01ct (0,002g)	0,003ct (0,0006g)
Linearity	+/-0,03ct (+/-0,006g)	+/-0,003ct (+/-0,0006g)
Stabilisation time (s)	3	3
Sensitivity drift (°C)	66*10 <sup>-6</sup>	1*10 <sup>-6</sup>
<b>Verification data</b>		
Verification class	-	I
Verification value	-	0,01ct (0,002g)
Minimum load	-	0,1ct (0,02g)
Verification in the factory possible	-	-
<b>Ambient conditions</b>		
Permissible temperature	+10... +40°C	+10... +30°C
Permissible humidity	max. 80% (not condensating)	max. 80% (not condensating)
<b>Piece counting</b>		
Minimum weight	-	-
Reference quantity	-	-
<b>Basic equipment</b>		
Protective working cover	-	Yes
Accumulator	-	Option: internal, 32h operation time, 12h charging time
Battery-supply	2 x 1,5V, size AAA, 30h operation time	-
Auto-Off	After 4min	-
Stand-by	-	-
Mains adapter	Battery	EURO, UK, US, AUS, (DC 9V/200mA, minus inside)
Filter steps	-	4
Type of balance display	LCD	LCD
Digit height of balance display	9mm	16mm
Levelling feet, level indicator	-	Yes
Weighing units	g, ct	ct, g
Freely programmable weighing units	-	-
Internal adjusting weight	-	-
External test weight, included	5g (M1)	50g (F2)
Recommended adjusting weight	-	-
Explosion protection	-	-
<b>Dimensions / materials / weights</b>		
Dim. of weighing plate (WxDxH / Ø, mm)	50x40	80
Dimensions of terminal (WxDxH, mm)	-	-
Dimensions of casing (WxDxH, mm)	85x130x25	182x235x80
Material of casing	Plastic	Plastic
Dim. of draught guard (WxDxH / ØxH, mm)	82x85x9	144x172x90
Material of draught guard	Plastic	Plastic
Dimensions of packaging (WxDxH, mm)	135x200x30	300x250x220
Gross weight (kg)	0,4	2,7
Net weight (kg)	0,17	1,6

**Important notes:**

- Our balances are **not suitable** for use in areas of high humidity or where there is a danger of explosion for models with protection class < IP 65.
- All relevant electrical regulations must be observed.