

Precision Balance

series DK

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A new generation of precision balances with simple operation, usable at any place where a balance is needed that performs very rapid and reliable weighing even under adverse conditions.



Properties

- clearly readable, backlit LCD-display
- very sturdy version, all-steel casing (resistant to organic solvents), stainless steel platform, comes included 1 dust cover
- equipped with 4 adjustable feet and butterfly
- equipped with Ultrablok weigh sensor, providing a rapid response, great stability and reliability!
- models with "C" indication are equipped with automatic, internal calibration (manually-/temperature-/time controlled)
- models with pan dim. 108x105 mm come standard with plastic wind shield (opening at top side)
- water protected keypad with user-friendly operation
- taring, zeroing, piece counting, check weighing, animal weighing program (for accurate weighing of moving animals, including possibility of weighing a next animal without emptying the pan), autoprint (automatic printing the weight), print interval (adjustable from 1 sec. to 99 min. + 59 sec.), percentage weighing
- equipped with weigh below hook; an optional kit enables the balance to be used as a densimeter or hydrometer (according to Archimedes principle)
- display mode with analog bar graph (reading of total weight, included tare)
- communication with PC through optional cable, weigh data can be sent to Excel or another Windows application (Windows 8 / 10)
- equipped with RS-232 interface
- included real-time clock (date/time)
- calibration reports can be simply printed by optional printer (GLP, GMP, ISO)
- power: 230V adapter (included)



Options i.a.

- dot-matrix ticket printer (2 models available);
- cable from RS-232 to PC/printer;
- static electricity ionisator STERION;
- density kit;
- wind shield; dust cover;
- external keyboard;
- animal weighing container for models with pan dim. 170x180 mm;
- external display;
- foot switch for print/output signal; foot switch for tare


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Technical data

type	DK-220-C-M	DK-420-C-M	DK-620-C	DK-1020	DK-2200-C-M	DK-4200-C-M
capacity	220 g	420 g	620 g	1020 g	2200 g	4200 g
division e (verification unit)	0.01 g	0.01 g	-	-	0.1 g	0.1 g
division d (reading)	0.001 g	0.001 g	0.001 g	0.001 g	0.01 g	0.01 g
repeatability	≤0.001 g	≤0.001 g	≤0.001 g	≤0.001 g	≤0.01 g	≤0.01 g
linearity	± 0.002 g	± 0.002 g	± 0.002 g	± 0.003 g	± 0.02 g	± 0.02 g
response time	1.5-2.5 s					
env.temp. and humidity.	5-40°C 30-85% (no condensation)					
version	M II	M II	nflt*	nflt*	M II	M II
calibration	automatic internal calibration			external calibration	automatic internal calibration	
pan dim.	 108 x 105 mm			 170 x 180 mm		
own weight	3.4 kg	3.4 kg	3.4 kg	2.7 kg	4.6 kg	4.6 kg

* nflt = not for legal trade; delivery included calibration certificate

type	DK-6200-C-M	DK-6200	DK-8200-C-M
capacity	6200 g	6200 g	8200 g
division e (verification unit)	0.1 g	-	1 g
division d (reading)	0.01 g	0.01 g	0.1 g
repeatability	≤0.01 g	≤0.01 g	≤0.08 g
linearity	± 0.02 g	± 0.02 g	± 0.1 g
response time	1.5-2.5 s		0.7-1.2 s
env.temp. and humidity.	5-40°C 30-85% (no condensation)		
version	M I	n.f.l.t.*	M II
calibration	automatic internal calibration	external calibration	automatic internal calibration
pan dim.	 170 x 180 mm		
own weight	4.6 kg	2.9 kg	4.6 kg



Ultrablok weigh sensor

The verified versions are supplied standard with Ultrablok, a durable and light but sturdy one piece aluminum alloy mass weighing sensor.

The compact, uniform structure replaces 70 parts found in a conventional electromagnetic balance sensor assembly and ensures stable temperature characteristics, excellent response time and stable corner-load performance.

The Ultrablok design permits a consistency of production that assures reliability and a long operational life

3 advantages of Ultrablok:

- reliability
- stability
- response

STERION Static electricity ionisator (option)

Samples or containers that easily become electro-statically charged can cause instability in balance measurement values due to static electricity. The STERION static electricity ionisator uses an AC corona discharge to generate ions with good ion balance; these ions are emitted from the emission port to quickly reduce the static charge on samples and containers. The electrodes, which are subject to high voltages, are located safely inside the unit, out of the operator's reach. The STERION is especially useful for improving measurement stability when measuring extra-small samples (particularly for measurements using an analytical balance) or samples that easily become electro-statically charged.

See the separate leaflet of the STERION static electricity ionisator.

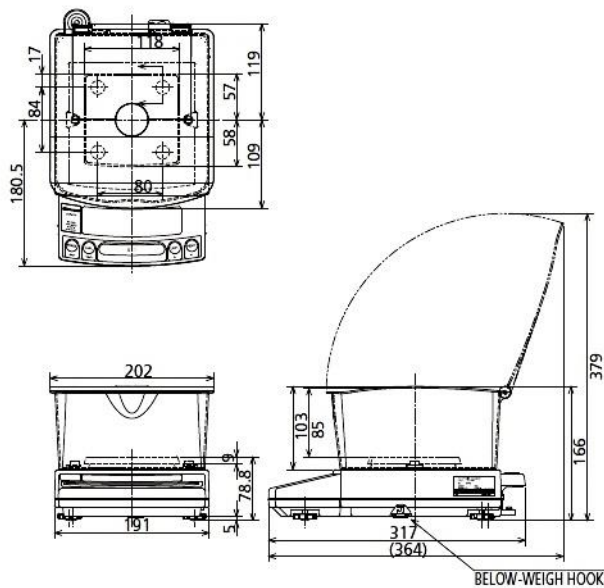


Precision balances

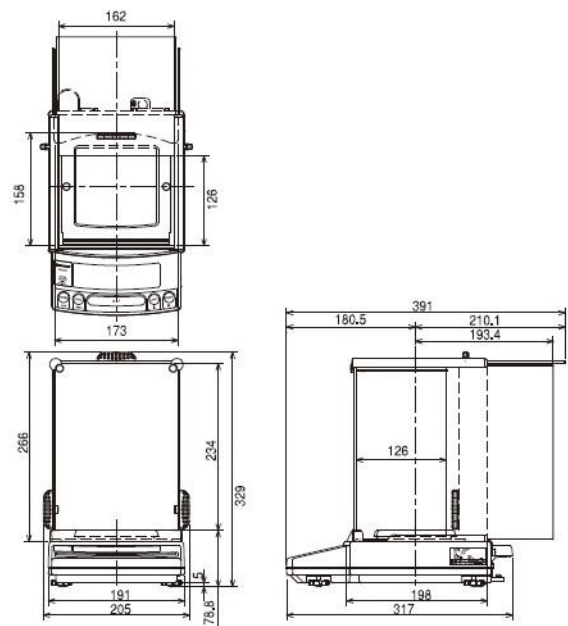
Sketches

series DK

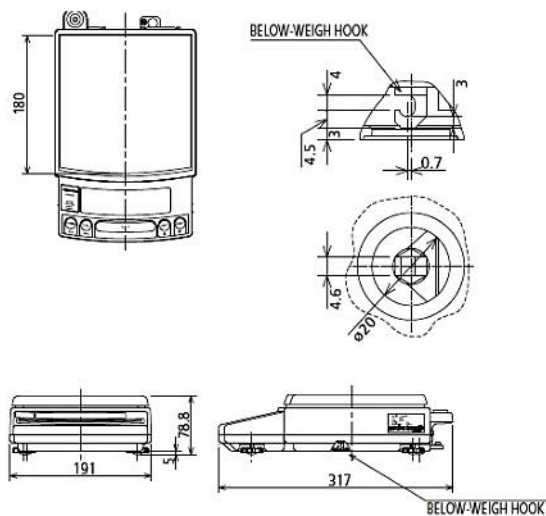
Serie DK with pan 108 x 105 mm equipped with standard windshield



Serie DK with pan 108 x 105 mm equipped with optional glass windshield / slide windows



Serie DK with pan 170 x 180 mm without windshield



Serie DK with pan 170 x 180 mm equipped with optional plastic windshield

