

KERN ABP 300-4AM

Premium analytical balance with automatic sliding doors and the latest Single-Cell Generation for extremely rapid, stable weighing results



Units	g mg ct
-------	---------------

Units (if device is conformity assessed)	g mg ct
------------------------------------------	---------------

Conformity assessment possible	✓
--------------------------------	---

Display

Display type	OLED
--------------	------

Display type	OLED
--------------	------

Display backlight	LED is self-luminous
-------------------	----------------------

Display segments	7
------------------	---

Display digit height	12 mm
----------------------	-------

Languages of the user interface	German English
---------------------------------	-------------------

Construction

Dimension housing (W×D×H)	220×370×350 mm
---------------------------	----------------

Dimensions rectangular draught shield - inner (W×D×H)	166×156×220 mm
-------------------------------------------------------	----------------

Dimensions rectangular draught shield - outer (W×D×H)	213×156×225 mm
-------------------------------------------------------	----------------

Dimensions weighing surface (∅)	91 mm
---------------------------------	-------

Dimensions weighing surface	91 mm
-----------------------------	-------

Material housing	cast aluminium, plastic
------------------	-------------------------

Material weighing plate	stainless steel
-------------------------	-----------------

Material platform	Stainless steel
-------------------	-----------------

Material draught shield	glass
-------------------------	-------

Level indicator	✓
-----------------	---

Levelling feet adjustable	✓
---------------------------	---

Functions

Sum memory function	✓
---------------------	---

Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
----------------------	--------------------------------------------------------------------------------------

Recipe weighing - number of database entries	5
----------------------------------------------	---

Recipe weighing - number of ingredients per database entry	10
------------------------------------------------------------	----

Percentage determination	✓
--------------------------	---

Tolerance weighing	✓
--------------------	---

Tolerance weighing - type of signal	visual
-------------------------------------	--------

Underfloor weighing	Hook (included in delivery)
---------------------	-----------------------------

Function for averaging under unstable weighing conditions	✓
-----------------------------------------------------------	---

Category

Brand	KERN
-------	------

Product category	Laboratory balance
------------------	--------------------

Product group	Analytical balance
---------------	--------------------

Product family	ABP-A
----------------	-------

Measuring System

Construction type of the scale	Single-range balance
--------------------------------	----------------------

Weighing system	Single-Cell
-----------------	-------------

Weighing capacity [Max]	320 g
-------------------------	-------

Weighing capacity [Max] (ct)	1600 ct
------------------------------	---------

Readability [d]	0,0001 g
-----------------	----------

Readability carat [d] (ct)	0,001 ct
----------------------------	----------

Reproducibility	0,00015 g
-----------------	-----------

Linearity	± 0,0003 g
-----------	------------

USP Minimum weight of sample (k = 2, U = 0.1%)	300 mg
------------------------------------------------	--------

Minimum weight [Min]	0,01 g
----------------------	--------

Minimum weight [Min] (ct)	0,1 ct
---------------------------	--------

Resolution	3.200.000
------------	-----------

Tare range	320 g
------------	-------

Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)
--------------------	-----------------------------------------------------------------------------

Automatic adjustment - Standard temperature deviation	1 °C
-------------------------------------------------------	------

Automatic adjustment - Standard time interval	4 h
-----------------------------------------------	-----

Stabilization time	2 s
--------------------	-----

Warm-up time	8 h
--------------	-----

Eccentric loading at 1/3 [Max]	0,0003 g
--------------------------------	----------

Default unit	g
--------------	---

KERN ABP 300-4AM



Premium analytical balance with automatic sliding doors and the latest Single-Cell Generation for extremely rapid, stable weighing results

Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	320.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 20, 50, 100
Tare function	manual (multi)
Number of keys for operation	11

Interface

Interfaces	RS-232 standard USB-Host/Master USB-Device
------------	--------------------------------------------------

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO
	AUS
	UK
	US
	CH
Plug-in power supply / adapter for countries - optional	EURO
	AUS
	UK
	US
	CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V, 1.6 A

Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	I

Verification scale interval [e]	0,001 g
Verification scale interval [e] (ct)	0,01 ct

Services (optional)

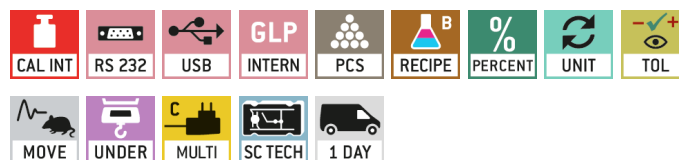
Article number for conformity assessment	965-201
Article number for DAkkS calibration	963-101
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	595×380×540 mm
Shipping method	Parcel service
Net weight approx.	8 kg
Gross weight approx.	13 kg
Shipping weight	24,4 kg

Pictograms

STANDARD



OPTION



FACTORY

