

BBK4...: MonoBloc® technology – Maximum precision for more complex requirements

Specifications



Conformance:

Certifiable quality/ex-works-certified model with internal adjustment weight to OIML, Class II with up to 60,000e or 600,000d (optional)

Type of protection:

BBK422/BBK432/BBK442/BBK462 tested and approved to IP43 (EN60529)

Design:

Die-cast aluminium housing with chrome-nickel steel load plate

Operating temperature:

+10° C to +30° C / 15 to 85 % humidity

Display:

BBK422; BBK432: Backlit 7-digit/7-segment LC display 

BBK442: Height: 20 mm (BBK422) or 35 mm (BBK432, BBK442)

BBK462: Backlit active dot matrix display (235 x 64 pixels); Height: 35mm

Keypad:

Large, clearly-structured keypad with tactile feedback

BBK422: 6 keys: ON/OFF; Reset; Tare; Transfer; Change unit; Delete tare

BBK432: 10 keys: ON/OFF; Reset; Tare; Transfer; Toggle gross/net;

High resolution; Toggle scale 1 and scale 2; Toggle count on weigh mode; Ten's reference, Variable reference

BBK442: 25 keys: ON/OFF; Reset; Tare; Transfer; Info; Toggle scale 1 and scale 2; Toggle count and weigh mode; Display item weight; Ten's reference; Variable reference; Memory; ID; +/-; Delete; Numeric keypad

BBK462: 25 keys: ON/OFF; Reset; Tare; Transfer; 6 freely-definable function keys (soft keys); Call database; Toggle: Upper/lower case; Delete; Alphanumeric keypad



Units: g, kg, t, oz, lb

Power supply:

- Country-specific power supply: 240V, 50Hz, 70mA / 230V, 50Hz, 70mA / 120V, 60Hz, 90mA / 100V, 50/60Hz, 90mA

- Battery operation (nickel-metal hybrid battery): Connection via AC adapter: 90 – 264 V, 47 – 63Hz, 300mA; Incoming power supply on scale: 24V, 1,3A

Interfaces:

BBK422: 1 RS232 (standard), additional RS232, RS485, USB, Ethernet, digital I/O interface options

BBK432/BBK442: As BBK422, additional optional analogue reference scale interface

BBK462: 3 RS232, 1 PS/2 (standard), optional: 2 RS232 + RS485/ Ethernet/USB/analogue/digital I/O + PS/2, 1 RS232 + RS485/ Ethernet/USB/digital I/O + analogue + PS/2

Technical data

BBK422 / BBK432 / BBK442 / BBK462

Model	- 3 DXS	- 3 XS	- 6 DXS	- 6 XS	- 6 DSM	- 6 SM	- 15 DLA	- 15 LA	- 35 DLA	- 35 LA
Dimensions (mm)	265 x 335 x 100						360 x 370 x 115			
Load plate (mm)	165 x 165				200 x 240		240 x 350			
Capacity (g)	600/3100	3100	1200/6100	6100	1200/6100	6100	3500/15100	15100	7000/35100	35100
Readability (standard) (g)	0.01/0.1	0.01	0.01/0.1	0.01	0.1/1	0.2	0.1/1	0.5	0.1/1	0.1
Verification scale value (g)	0.1	0.1	0.1	0.1	1	0.2	1	0.5	1	1
Max. readability (not certifiable) (g)	0.001	0.001	0.001	0.001	0.01	0.01	0.01	0.01	0.01	0.01
Repeatability (s) (g)	0.008	0.008	0.008	0.008	0.08	0.08	0.08	0.08	0.08	0.08
Linearity (s) (g)	0.02	0.02	0.02	0.02	0.1	0.1	0.1	0.1	0.1	0.1
Min. permissible item weight (g)*	0.002	0.002	0.004	0.004	0.004	0.004	0.01	0.01	0.02	0.02
Type of protection	IP43**									
Stabilization time (s) (seconds) ***	~ 1.0									

* The values indicated represent the minimum permissible item weights. In order to count with maximum possible accuracy, we recommend that the item weight is set no lower than 1d of the scale (standard) and/or that the optimization function integrated as standard or a reference scale is used (not for the BBK422).

** Not with built-in Ethernet interface.
*** Depends on selected filter setting.