

# BBA4...: Reliable measurement accuracy for any location



## Specifications

### Conformance:

Certifiable quality/ex-works-certified model to OIML, Class III with 2 x 3000e or 1 x 6000e plus other non-certifiable resolutions (15,000d/30,000d) as options

### Type of protection:

- BBA422/BBA432/BBA442/BBA462 tested and approved to IP43 (EN60529)
- BBA425 protected against dust and water jets to IP65 (EN60529)

### Design:

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

### Operating temperature:

-10°C to +40°C / 15 – 85 % humidity/

Maximum operating altitude 4000m above sea level

### Display:

BBA422; BBA425: Backlit 7-digit/7-segment LC display

BBA432; BBA442: Height: 20 mm (BBA422, BBA425) or 35 mm (BBA432, BBA442)

BBA462: Backlit active dot matrix display (235 x 64 pixels);

Height: 35 mm



### Keypad:

Large, clearly-structured keypad with tactile feedback

BBA422/BBA425: 6 keys: ON/OFF; Reset; Tare; Transfer; Change unit; Clear tare

BBA432: 10 keys: ON/OFF; Reset; Tare; Transfer; Toggle gross/net; High resolution; Toggle scale 1 and scale 2; Toggle count and weigh mode; Ten's reference, Variable reference

BBA442: 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

BBA462: 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

### Units:

### Power supply:

- Country-specific power supply:

240V, 50Hz, 70 mA / 230V, 50Hz, 70 mA / 120V, 60Hz, 90 mA / 100V, 50/60Hz, 90 mA

- Battery operation (nickel-metal hybrid battery):

Connection via AC adapter: 90 – 264 V, 47 – 63 Hz, 300 mA;

Incoming power supply on scale: 24 V, 1,3 A

### Interfaces:

BBA422: 1 RS232 (standard), additional RS232, RS485, USB, Ethernet, digital I/O interface options

BBA425: 1 RS232 (standard), additional RS232, RS485; USB, digital I/O interface options

BBA432/BBA442: As BBA422, plus optional analogue reference scale interface

BBA462: 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

| Model   | BBA422/BBA432/BBA442/BBA462 |        |                 |        |        | BBA425          |        |                 |        |        |
|---|-----------------------------|--------|-----------------|--------|--------|-----------------|--------|-----------------|--------|--------|
|   | -3 SM                       | -6 SM  | -15 LA          | -35 LA | -60 LA | -3 SM           | -6 SM  | -15 LA          | -35 LA | -60 LA |
| Dimensions (mm)                                 | 265 x 335 x 100             |        | 360 x 370 x 115 |        |        | 265 x 335 x 100 |        | 360 x 370 x 115 |        |        |
| Load plate (mm)                                 | 200 x 240                   |        | 240 x 350       |        |        | 200 x 240       |        | 240 x 350       |        |        |
| Capacity (kg)                                   | 3                           | 6      | 15              | 35     | 60     | 3               | 6      | 15              | 35     | 60     |
| Weighing range 1/2 (kg)                         | 1.5/3                       | 3/6    | 6/15            | 15/35  | 30/60  | 1.5/3           | 3/6    | 6/15            | 15/35  | 30/60  |
| Readability/Verification scale interval 1/2 (g) | 0.5/1                       | 1/2    | 2/5             | 5/10   | 10/20  | 0.5/1           | 1/2    | 2/5             | 5/10   | 10/20  |
| Max. readability (not certifiable) (g)          | 0.05                        | 0.1    | 0.2             | 0.5    | 1      | 0.05            | 0.1    | 0.2             | 0.5    | 1      |
| Repeatability (s) (g)                           | 0.05                        | 0.1    | 0.2             | 0.5    | 1      | 0.15            | 0.2    | 0.2             | 0.5    | 1      |
| Linearity (s) (g)                               | +/-0.05                     | +/-0.1 | +/-0.2          | +/-0.5 | +/-1   | +/-0.15         | +/-0.2 | +/-0.2          | +/-0.5 | +/-1   |
| Min. permissible item weight (g)*               | 0.01                        | 0.02   | 0.05            | 0.1    | 0.2    | -               | -      | -               | -      | -      |
| Type of protection                              | IP43**                      |        |                 |        |        | IP65            |        |                 |        |        |
| 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 BBA422/ BBA425).

\*\* Not with built-in Ethernet interface.

\*\*\* Depends on selected filter setting.