

The Economical Solution in Dry Environments

The BBA231 bench scale is a robust and cost-effective solution for versatile use in dry and dustcontaminated industrial environments.

As a one-for-all solution the BBA231 is designed for a wide range of weighing tasks. It is an economical choice for out-of-the-box straight weighing, counting with average piece-weight optimization, over/under checkweighing, totalizing and animal-weighing applications.

The simple and convenient menu configuration and the straightforward and intuitive setup of a multitude of different available functions makes the BBA231 easy to use. It requires minimal operator training and measurably improves production efficiency.

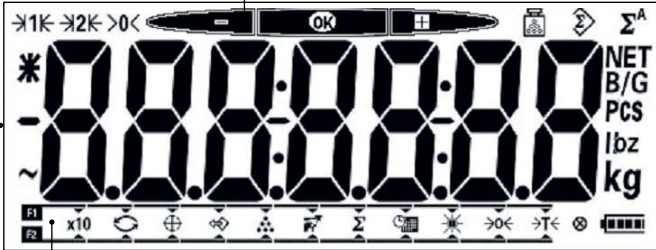
The BBA231 terminal includes an RS232 interface allowing for communication to a printer or PC.



Highly visible display
For excellent readability under any light condition, the BBA231 scale features a large, 60mm high LCD display with an adjustable white backlight.

Immediate status indication
Over/under checkweighing is performed easily and accurately with immediate status indication. Target weight setup is simple for improved overall process accuracy.

Innovative and user friendly
In addition to the 5 tactile and responsive standard keys (On/Off, Zero, Tare, Clear, Print) the BBA231 is the first of its class to feature two free definable function keys (F1 and F2). These allow for fast and easy switching between the different offered functions.



Full control at all times
All functions (directly selected over the function keys) and current scale status are always in easy sight providing a good overview for ergonomic operation.

Technical specifications

Display	7-digit, 7-segment LCD display with white backlight Heights: 60mm Stabilization time <1 sec.	Ingress Protection	Terminal:	IP54
			Platform/Load cell:	IP65
		Material	Terminal Housing:	Plastic
			Platform Frame:	Powder coated carbon steel
Load Plate:	Stainless steel AISI304			
Approvable resolution	OIML Class III, 3000e	Column:	Carbon steel	
Resolution typ.	15 000d	Load Cell	Aluminium, Potted	
Power Supply	85...264 VAC, 50/60Hz	Applications	Straight weighing, over/under checkweighing, counting with average piece-weight optimization, totalizing, animal weighing	
Battery	6 AA batteries for >80 hours of operation			
Units of measure	kg, lb, g, oz	Features:	Date & Time (RTC), x10, Print, Unit Switch, Target storage	
Data Interface	RS232			

Standard configurations

Model	Platform size	Maximum weighing capacity						Cable length
Rectangular weighing platforms								
BBA231-3A	240 x 300 mm	6 kg	15 kg					1 m
BBA231-3BB	300 x 400 mm			35 kg	60 kg			2 m
BBA231-3B	400 x 500 mm				60 kg	150 kg		2.5 m
BBA231-3BC	500 x 650 mm				60 kg	150 kg	300 kg	2.5 m
BBA231-3CC	600 x 800 mm				60 kg	150 kg	300 kg	2.5 m
Approvable resolution 1x3000e								
Approvable readability		2 g	5 g	10 g	20 g	50 g	100 g	
Min. capacity (approved scales only)		40 g	100 g	200 g	400 g	1 kg	2 kg	

Model designation example:
Size 240 x 300 mm / 6 kg: BBA231-4A6

Zero-setting range = 2% of max. capacity
Nominal temp. range = -10°C to +40°C



Zero capture range = 18% of max. capacity
Subtractive tare range: >0 to max. capacity



Excellent overload protection
Optimally placed and specifically adjusted overload stops grant the best possible protection against load-cell damage. Easily adjustable feet allow for reliable and precise scale leveling.

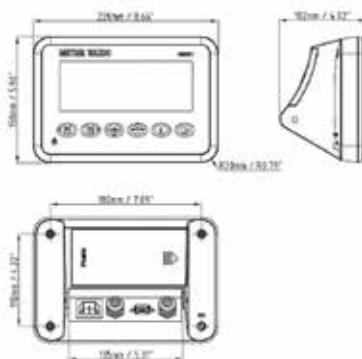


Technical Data

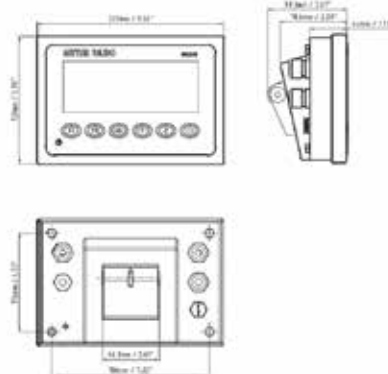
		
Terminal	IND231	IND236
Dimensions (WxHxD)	220 x 150 x 102mm / 8.66 x 5.90 x 4.02 (inch)	220 x 150 x 93.3mm / 8.66 x 5.90 x 3.67 (inch)
Construction	Plastic	Stainless Steel
Mounting	Mounting to wall, desk or column via included adjustable angle mounting bracket	
Power	AC: 85-264VAC; 50Hz-60Hz	
	Six AA batteries or NiMH rechargeable battery	NiMH rechargeable battery
Operating Environment	-10°C to +40°C (14°F to 104°F), 10% to 95% relative humidity, non-condensing	
Protection	IP54	IP66/IP67
Display	40mm high weight display, seven digits seven segment LCD with white backlight	
Scale Interface	one analog scale	
Load Cell	Up to 4 350ohm load cells, 5V excitation	
Units of Measure	g, kg, lb, oz	
Keypad	Seven function keys: Zero, Tare, Clear, On/Off, Print, F1 & F2 (definable)	
	Standard: COM1 RS232	
	Option: COM2 isolated RS232/RS422/RS485 COM2 USB device for connection to PC COM2 Discrete I/O with 2 inputs and 4 outputs	
Communication Options		
Application	Basic Weighing, X10, Date & Time, Animal weighing, Counting with APW enhancement, Over/Under checkweighing with 10 records database, Accumulation, Remote display	
Approvals	Class III: OIML6000e, NTEP10,000d, CMC6000e, CE, cULus	
Accessories	Desk bracket, terminal protection cover	

Dimensions (mm/inch)

IND231



IND236



www.mt.com/IND231-IND236

For more information



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