

# Hazardous Bench Scale



## **BBA256x Bench Scale**

Economically priced solution

Easy installation and operation

Intrinsically safe technology



**Ready-to-Use Scale Solution**  
For Your Hazardous Environment

**METTLER TOLEDO**

# Out-of-the-Box Solution For Safe, Accurate Weighing

Designed to operate safely in environments with explosive gases or dusts, the economical BBA256x meets ATEX and IECEx hazardous-area approvals. The full stainless-steel design is built to deliver reliable performance in most harsh and wet industrial environments.

[www.mt.com/bba256x](http://www.mt.com/bba256x)

### Versatile, safe design

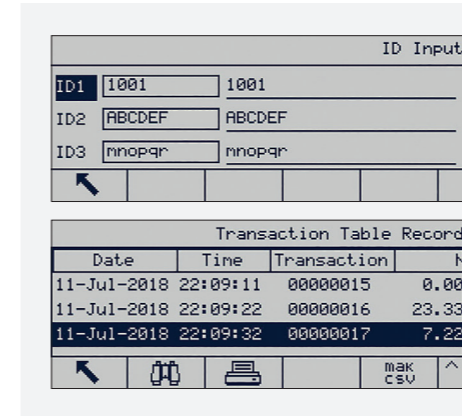
With reliable intrinsically safe technology, the BBA256x bench scale is a safe and versatile weighing solution for any Zone 1/21 environment. It is a perfect fit in many chemical and pharmaceutical applications that need durability, uncompromised cleanliness and maximum protection against the impact of harsh chemicals, fine dust, and washdowns.

The BBA256x intrinsically safe bench scale consists of an IND256x terminal with a built-in power supply, a PBA426x weighing platform and a column.



### Technical specifications

<b>Hazardous-area approval</b>	ATEX Zone 1/21 / IECEx BVS 17 ATEX E 076 X / IECEx BVS 17.0064X Terminal: II 2G Ex eb ib [ib] mb IIC T4 Gb II 2D Ex tb [ib] IIIC T60°C Db Ta: -10°C...+40°C Platform (LC): II 2G Ex ia IIC T6/T4 Gb II 2D Ex ia IIIC T125°C Db IP67
<b>Display</b>	240x96 pixel white backlit LCD, 25mm high digits
<b>Approvable resolution</b>	OIML Class III, 3000e
<b>Recommended resolution (max.)</b>	15'000d
<b>Power supply</b>	Built in, 187 VAC to 250 VAC, 50/60 Hz
<b>Units of measure</b>	g, kg [default], lb, t, ton
<b>Data interface</b>	Intrinsically safe active current loop
<b>Ingress protection</b>	IP66
<b>Material</b>	Terminal, platform, column: Stainless steel AISI304
<b>Load cell</b>	Stainless steel, potted
<b>Applications</b>	Straight weighing, over/under checkweighing, totalizing
<b>Features</b>	Data storage, printing



### Store transaction data automatically

The transaction log/alibi function within label printing enhances data traceability. This visibility into weighing data supports the next generation of manufacturing practices and reduces potential risks in hazardous-environment applications.

### Saving costs, reducing set-up

Pre-configuration of the BBA256x scale makes field installation easy and fast. The bundled approach and internal power supply reduces installation costs, saves time and allows for fast start-up.

### Economically priced solution

The BBA256x offers METTLER TOLEDO quality in an economical package while supporting a wide range of applications in hazardous and harsh environments.

### Durable and easy-to-clean

The BBA256x platform features full electro-polished stainless-steel frame design as well as an advanced stainless-steel load cell. This assures that the scale will operate reliably in wet and humid environments and extends its service life.



## Standard Configurations BBA256x

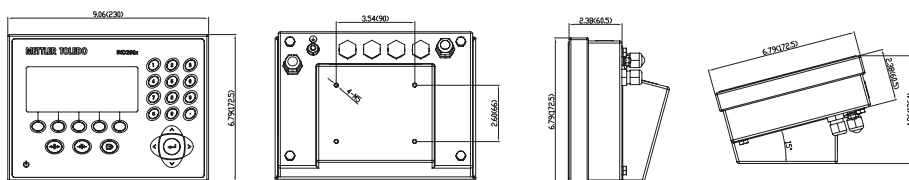
Model	Platform Size	Cable Length	Column Heights	Maximum Capacity			
				6 kg	15 kg	30 kg	60 kg
<b>BBA256x-6A</b>	240 x 300 mm	5m	330mm	6 kg	15 kg		
<b>BBA256x-6BB</b>	300 x 400 mm	5m	330mm			30 kg	60 kg
<b>BBA256x-6B</b>	400 x 500 mm	5m	660mm			30 kg	60 kg
Approvable resolution				1x3000e			
Approvable readability				2g	5g	10g	20g
Min. capacity (approved scales only)				40g	100g	200g	400g
Recommended readability (min.)				0.5g	1g	2g	5g
Repeatability s (at max. load)				0.2g	0.5g	1.4g	1.8g

Model designation example:  
Size 240 x 300mm / 6kg: BBA256x-6A6-E4

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

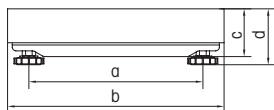
Zero capture range = 18% of max. capacity  
Subtractive tare range >0 to max. capacity

## Terminal Dimensions (mm)

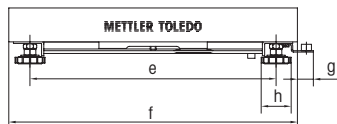


## Platform Dimensions (mm)

Front view



Side view



Platform Dimension in mm/in	a	b	c	d	e	f	g	h
PBA426(x)-A...	mm 175	240	59	86	235	300	21	42
	in 6,89	9,45	2,32	3,38	9,25	7,87	0,83	1,65
PBA426(x)-BB...	mm 235	300	76	97	335	400	18	42
	in 9,25	11,81	2,99	3,81	13,18	15,74	0,7	1,65
PBA426(x)-B...	mm 335	400	108,5	123	435	500	18	42
	in 13,18	15,74	4,27	4,84	17,12	19,68	0,7	1,65

[www.mt.com/BBA256x](http://www.mt.com/BBA256x)

For more information

**METTLER TOLEDO Group**

Industrial Division

Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)

Subject to technical changes

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