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**

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.

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 PBA439x weighing platform and a column.

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.

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.

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.
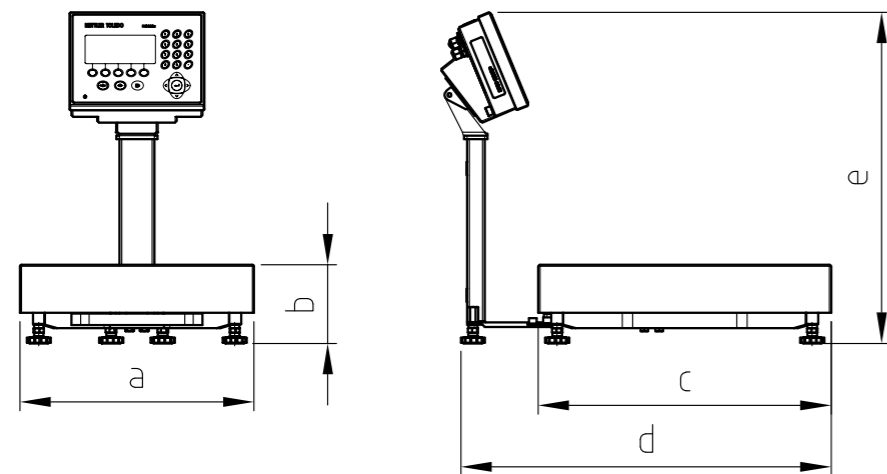
Technical Specifications

Standard Configurations

Model	Platform Size	Maximum Capacity					Power Cord Length	Load Cell Cable Length
BBA256x-7QA	228 x 228 mm	3 kg	6 kg				5 m	2.5 m
BBA256x-7A	240 x 300 mm	3 kg	6 kg	15 kg			5 m	2.5 m
BBA256x-7QB	305 x 305 mm			15 kg	30 kg	60 kg	5 m	2.5 m
BBA256x-7BB	300 x 400 mm				30 kg	60 kg	5 m	2.5 m
BBA256x-7B	400 x 500 mm				30 kg	60 kg	150 kg	5 m	2.5 m

Approvable resolution Class III single range - 1 x 3,000e							
Approvable readablity (e min)		1 g	2 g	5 g	10 g	20 g	50 g
Minimum capacity		20 g	40 g	100 g	200 g	400 g	1,000 g

Weights & Measures general thresholds		
Preload range	[%]	18% of maximum capacity
Zero setting range	[%]	2% of maximum capacity
Taring range	[kg]	Subtract from 0 to maximum capacitiy
Temperature range	[°C]	-10°C…+40°C

Dimensions

Dimension		a	bmin	c	d	emin
BBA256x-7QA	mm	228	97.6	228	365	562
BBA256x-7A	mm	240	97.6	300	435	562
BBA256x-7QB	mm	305	108.6	305	440	562
BBA256x-7BB	mm	300	108.6	400	525	562
BBA256x-7B	mm	400	112.1	500	645	892

General Specfications

Hazardous–area approval	ATEX Zone 1/21 / IECEx Indicator IND256x: BVS 17 ATEX E 076 X / IECEx BVS 17.0064X 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 SLP84x): FM21ATEX0003X / IECEx FMG 21.0003X II 2G Ex ia IIC T6…T4 Gb II 2D Ex ia IIIC T80°C Db -40°C≤Ta≤60°C T5/T4; -40°C≤Ta≤40°C T6
Display	240x96 pixel white backlit LCD, 25mm high digits
Approvable resolution	OIML Class III, 3000e
Recommended resolution (max.)	15'000d
Power supply	Built in, 187 VAC to 250 VAC , 50/60 Hz
Units of measure	g, kg [default], lb, t, ton
Data interface	Intrinsically safe active current loop
Ingress protection	Indicator	IP66
	Weighing Platform	IP68/69k
Material	Indicator Housing	Stainless steel AISI304
	Platform Frame	Stainless steel AISI304
	Load Plate and Column	Stainless steel AISI304
Load cell	Hermetically sealed, stainless steel
Applications	Straight weighing, over/under checkweighing, totalizing
Features	Data storage, printing

Accessories

Article #	Designation	Description	
30640393	Roller track 400 × 500 mm stainless steel	Fits for B-size platform. Roll to short side of platform	
30676769	AISI 316 stainless steel platter 240 x 300 mm	Fits for A-size platform	
30676770	AISI 316 stainless steel platter 300 x 400 mm	Fits for BB-size platform	
30676771	AISI 316 stainless steel platter 400 x 500 mm	Fits for B-size platform	
30676772	AISI 316 stainless steel platter 228 x 228 mm	Fits for QA-size platform	
30676773	AISI 316 stainless steel platter 305 x 305 mm	Fits for QB-size platform	

Explore Our Service Solutions
Tailored to Fit Your Equipment Needs

METTLER TOLEDO Service delivers resources to enhance your efficiency, performance and productivity by providing service packages that fit your operational needs, maximize your equipment lifetime, and protect your weighing solution scale investment.

▶ **www.mt.com/IND-Service**

Start with professional installation

Installation services include support for your unique production situation:
- Professional IQ/OQ/PQ/MQ documentation
- Initial calibration and confirmation of fit-for-purpose
- Hazardous area installations

Extend your warranty coverage

Add two years of preventive maintenance and repair coverage to protect your indicator or full system purchase and achieve maximum productivity and budget control.

Maintain accuracy over time

Receive professional guidance (GWP Verification™), including a routine testing plan that specifies four key factors to maximize your efficiency and ensure quality:
- Tests to perform
- Weights to use
- Testing frequency
- Tolerances to apply

Schedule maintenance

Full preventative maintenance plans offer inspection, functional testing, and proactive replacement of worn parts.

Health inspections offer a full assessment of current condition with professional maintenance recommendations.

Calibrate for quality and compliance   **GWP**®

Professional Accuracy Calibration Certificate (ACC) determines measurement uncertainty in use over the entire weighing range. Corresponding annexes give a clear pass/fail statement for specific tolerances applied, such as fit-for-purpose (GWP®), OIML R76, NTEP HB44, or further regulations.

www.mt.com/BBA256x

For more information

ISO 9001 registered
ISO 14001 registered
CE

METTLER TOLEDO Service

GWP®
Good Weighing Practice™