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 carries ATEX, IECEx and cFMus hazardous-area approvals. The full stainless-steel design is built to deliver reliable performance in most harsh and wet industrial environments.
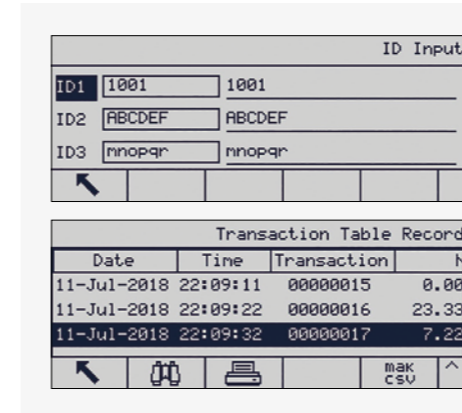
▶ **www.mt.com/bba256x**

Versatile, safe design

With reliable intrinsically safe technology, the BBA256x bench scale is a safe and versatile weighing solution for any Zone 1/21 and Division 1. 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, a PBA426x weighing platform and a column.

Technical specifications

Hazardous-area approval	cFMus Division 1
	FM18US0258X / FM18CA0123X
	Terminal: IS CL I,II,III/DIV 1/GP ABCDEFG/T4
	          CL I, Zone 1 AEx/Ex ib IIC T4 Gb
	          Zone 21 AEx/Ex tb [ib] IIIC T60°C Db
	Platform (LC): IS CL I,II,III/DIV 1/GP ABCDEFG/T4

Display	240x96 pixel white backlit LCD, 25mm high digits
Approvable resolution	NTEP&AM: Class III, 5000d
Recommended resolution (max.)	15'000d
Power supply	APS500 (85-132 V, 50/60 Hz); APS501 (168-250 V, 50/60 Hz); Battery: External NiMH, charged in safe area.
Units of measure	g, kg [default], lb, t, ton
Data interface	Intrinsically safe active current loop
Ingress protection	Terminal: IP66 / Weighing platform: IP65/67
Material	Terminal, platform, column: Stainless steel AISI304
Load cell	Stainless steel, potted
Applications	Straight weighing, over/under checkweighing, totalizing
Features	Data storage, printing
Zero capture range	18% of max. capacity
Subtractive tare range	> 0 to max. capacity
Zero-setting range	2% of max. capacity
Nominal temp. range	-10°C to +40°C

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.

Reducing set-up time

Pre-configuration of the BBA256x makes field installation easy and fast. Combination with either the power supply APS50x or a NiMH Ex-approved battery enables quick integration into your workplace.

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.
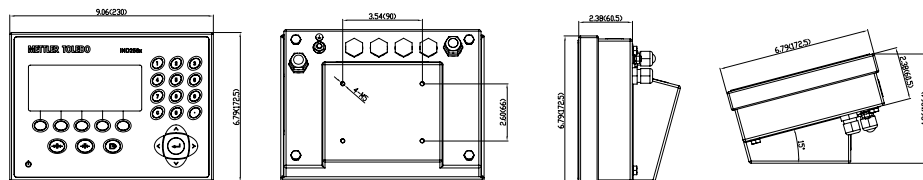
Standard Configurations BBA256x

Model	Platform Size	Column Heights	Maximum Capacity			
BBA256x-6A	240x300 mm/9.5''x11.8''	330mm/13''	5 kg 10 lb	10 kg 25 lb		
BBA256x-6BB	300x400 mm/11.8''x15.7''	330mm/13''			25 kg 50 lb	50 kg 100 lb
BBA256x-6B	400x500 mm/15.7''x19.7''	330mm/26''			25 kg 50 lb	50 kg 100 lb
Approvable resolution			1x5000d NTEP			
Approvable readablity			0.001 kg 0.002 lb	0.002 kg 0.005 lb	0.005 kg 0.01 lb	0.01 kg 0.02 lb
Min. capacity (approved scales only)			40g	100g	200g	400g
Recommended readability (min.)			0.5g	1g	2g	5g
Repeatability (at max. load)			0.2g	0.5g	1.4g	1.8g

Accessories

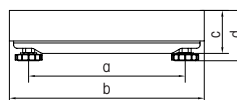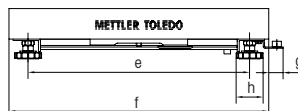| Article Number	Description
64056319	APS500 120 VAC Power Supply
64058025	APS501 240 VAC Power Supply
30590909	IND256x Battery Kit (including cable, charger with Schuko plug)
30590467	IND256x Battery Kit (including cable, charger with US plug)
30590910	IND256x Battery Kit (including cable, charger with UK plug)
30592070	IND256x Battery Kit (including cable, charger with Brazil plug)
30541517	IND256x Battery Charger with Schuko plug
30542935	IND256x Battery Charger with US plug
30541568	IND256x Battery Charger with UK plug
30592071	IND256x Battery Charger with Brazil plug
30538111	IND256x Battery Spare
30543268	IND256x Battery Cable Spare

Terminal Dimensions (mm)

Platform Dimensions (mm)

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

Front view

Side view

www.mt.com/BBA256x

For more information

METTLER TOLEDO Service

GWP®
Good Weighing Practice™

ISO 9001 registered
ISO 14001 registered
CE