

Meeting Your Needs in Every Weigh



Sartorius FCA-X, FC-X, EB-X, PMA-X
Explosion Proof Scales

Always...
Safety First

Explosion Proof Scales Class I,II,III, Division 1&2, Groups A,B,C,D,E,F,G, T4

Maximum Safety

Meeting the most stringent Factory Mutual and CSA standards for hazardous area operation, Sartorius FCA-X scales will keep you protected and accurate. These intrinsically safe models can be operated with confidence around explosive dust, liquids and vapors.

Despite their ultra safe design, no user convenience has been overlooked. Unexpected options like motorized internal calibration and hazardous area power supplies provide the accuracy and installation ease you find in few explosion proof products. Even the displays are backlit for clear viewing in the often dark hazardous environments.

Protection Beyond Safety

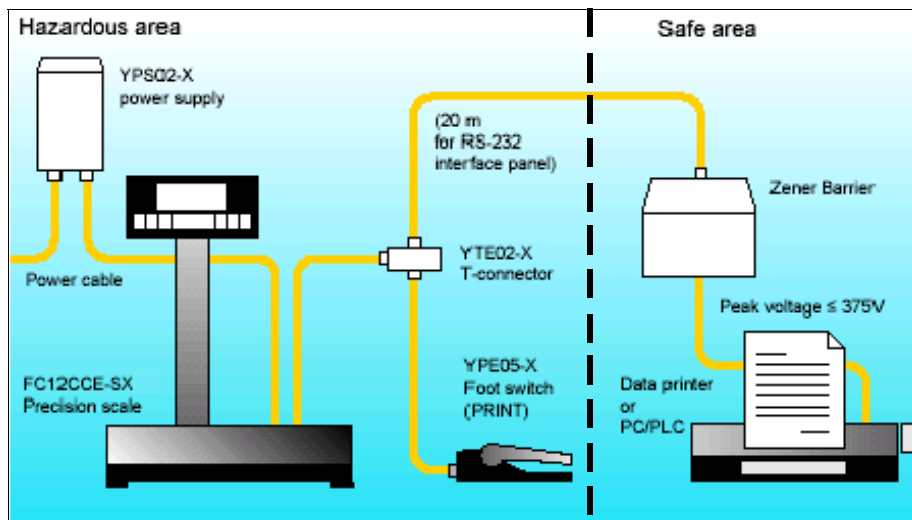
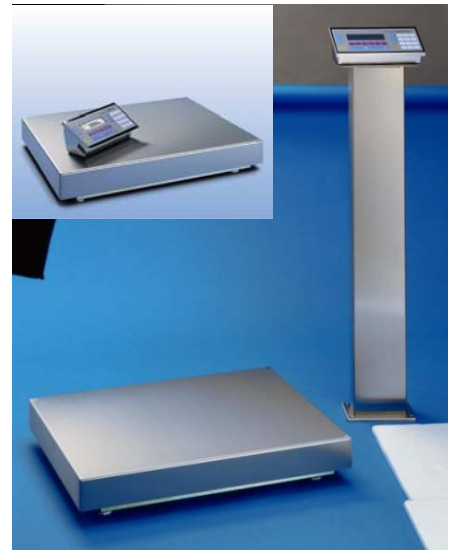
At Sartorius safe design equals rugged design. Every FCA-X scale incorporates a stainless steel weighing platform and a 100% cast aluminum housing. All scales are rated IP65 for dust and water protection. Display keyboards are sealed to prevent hazardous material from entering the scale housing.

Why "Intrinsically" Safe?

All Sartorius Ex scales are manufactured to intrinsically safe standards. This simply means scales are incapable of releasing sufficient energy to ignite explosive material in the environment. Intrinsically safe devices are extremely easy to install requiring no special rooms, housing or even rigid conduit for AC power connection. Choose between safe area or hazardous area power supplies (PMA-X uses safe area supply only) making your installation even easier without disruption to workflow or costly construction projects.

Maximum Accuracy

Safety has not compromised accuracy. Up to 640,000 steps of external weighing resolution provide the capacity and readability of two traditional scales in one. Further enhancing your weighing procedure are 14 built-in application programs. Compound mixtures, count components, check material density or collect statistical data directly on the scale. Transmit data to computers or printers located in the safe area.



Selected FCA-X Ranges

- 16 kg (35 lb) x 0.1 g
- 34 kg (75 lb) x 0.1 g
- 64 kg (140 lb) x 0.1 g
- 64 kg (140 lb) x 1.0 g
- 150 kg (330 lb) x 1.0 g
- 300 kg (660 lb) x 2.0 g

Complete specifications shown on back cover

Explosion Proof Scales Class I, Division 1&2, Groups A,B,C,D

Unmatched Readability FC-X Series

The premier weighing devices in or out of hazardous environments are clearly the FC-X scales. With readability's down to thousandths of a gram, no one comes close to meeting our standards of performance, flexibility and safety. The entire FC-X product line encompasses the widest range of explosion proof product offered by Sartorius, from 600 to 64,000 gram capacity scales.

Similar to FCA-X scales, built-in applications that ease your work load are abundant. Internal motorized calibration insures the readability remains accurate. And alpha numeric displays guide users quickly and easily through every weighing operation.

Rugged and Reliable EB-X Series

Floor or bench nothing tops the value and performance of EB-X scales. Costing far less than typical hazardous area scales, EB-X will quickly become the every day production work horse.

Using the post mounting display and sealed keyboard damaging spills are rare but easily cleaned if they do occur. Toggle quickly between multiple weighing systems and track gross/net values along the way.

Transmit data to the safe area using the optional zenier barrier or calculate data directly on the scale display using the nine included application programs.

Formulation Made Easy PMA Series

Perfectly designed for quick formulating of hazardous powders and liquids, PMA scales will make short work of a formerly painstaking job. The standard rear post mounted display allows users to pour sample without ever losing sight of the display. Extremely fast display update speed reduces the chance of over pour. Should, however, an over pour take place, the built-in recalculation software tells you exactly how much more of all other components must be added to maintain the proper component ratios.

Simple, accurate and safe. Avoid costly mixing errors while and keep your production on schedule with PMA-X.



Standard Features

- Intrinsically safe design for easy installation
- Bi-directional RS-232C interface connector (zenier barrier required)
- Stainless steel weighing platform
- Backlit LCD displays
- Aluminum scale housings

Standard Applications

- Mass Unit Conversions
- Over pour recalculation software (except EB-IX)
- Gross/Net display (except PMA-X)
- Percentage weighing or weighing by factor
- Adjustable ambient condition setting

Selected Accessories

- YDI02-Z
Zenier barrier safe for area interface
- YDP03-0CE
Data Printer with Statistics for safe area operation
- YCC01-005M50
Connection cable scale to RS-232 converter

Sartorius Explosion Proof Scale Specifications

FCA-X Series – Approved Class I,II,III, Division A and B, Groups A,B,C,D,E,F,G, T4							
Model Number	Capacity		Readability		Standard Deviation	Platform Size (in.)	FAX Doc.
FCA16EDE-HX	16 kg	35 lb	0.1g	0.0002 lb	± 0.05 g	15.8 x 11.8	20724
FCA34EDE-PX	8/16/34 kg	17/35/75 lb	0.1/0.2/0.5 g	0.0002/ 0.005/0.01 lb	± 0.05/ 0.05/0.1 g	15.8 x 11.8	20725
FCA34EDE-HX	34 kg	75 lb	0.1g	0.0002 lb	± 0.1 g	12.6 x 9.4	20726
FCA64EDE-SX	64 kg	141 lb	1.0 g	0.002 lb	± 0.3 g	12.6 x 9.4	20727
FCA64EDE-HX	64 kg	141 lb	0.1 g	0.0002 lb	± 0.1 g	12.6 x 9.4	20728
FCA150IGG-HX	150 kg	330 lb	1.0 g	0.002 lb	± 1.0 g	23 x 24	20329
FCA300IGG-HX	300 kg	660 lb	2.0 g	0.005 lb	± 2.0 g	23 x 24	20330

FC-X Series – Approved Class I Division A and B, Groups A,B,C,D							
Model Number	Capacity		Readability		Standard Deviation	Platform Size (in.)	FAX Doc.
FC06BBE-SX	0.6 kg	1.4 lb	0001 g	0.000002 lb	± 0.001 g	5.1 diameter	20710
FC2CCE-SX	2.2 kg	4.8 lb	0.01 g	0.00002 lb	± 0.01 g	8.5 x 8.0	20711
FC6CCE-HX	6 kg	14 lb	0.01 g	0.00002 lb	± 0.01 g	8.5 x 8.0	20712
FC6CCE-SX	6 kg	14 lb	0.1 g	0.0002 lb	± 0.05 g	8.5 x 8.0	20713
FC12CCE-SX	12 kg	26 lb	0.1 g	0.0002 lb	± 0.05 g	8.5 x 8.0	20714
FC16EDE-HX	16 kg	35 lb	0.1 g	0.0002 lb	± 0.05 g	15.8 x 11.8	20719
FC34EDE-PX	8/16/34 kg	18/35/75 lb	0.1/0.2/0.5 g	0.0002/ 0.0005/0.001 lb	± 0.05/ 0.05/0.1 g	15.8 x 11.8	20720
FC34EDE-HX	34 kg	75 lb	0.1 g	0.0002 lb	± 0.1 g	15.8 x 11.8	20721
FC64EDE-SX	64 kg	141 lb	1.0 g	0.002 lb	± 0.3 g	15.8 x 11.8	20722
FC64EDE-HX	64 kg	141 lb	0.1 g	0.0002 lb	± 0.1 g	15.8 x 11.8	20723

PMA Series – Approved Class I Division A and B, Groups A,B,C,D							
Model Number	Capacity		Readability		Standard Deviation	Platform Size (in.)	FAX Doc.
PMA7500-X	7.5 kg	17 lb	0.1 g	0.0002 lb	± 0.1 g	9.0 diameter	20722
PMA7500D-X	1.0/7.5 kg	2.2/17 lb	0.05/0.1 g	0.0001/0.0002 lb	± 0.1 g	9.0 diameter	20723

EB-X Series – Approved Class I Division A and B, Groups A,B,C,D							
Model Number	Capacity		Readability		High Res. Mode 2X	Platform Size (in.)	FAX Doc.
EB6DCE-IX	6 kg	14 lb	0.2 g	0.0005 lb	0.1 g	12.6 x 9.4	20750
EB15DCE-IX	15 kg	33 lb	0.5 g	0.001 lb	0.2 g	12.6 x 9.4	20751
EB35EDE-IX	35 kg	70 lb	1.0 g	0.002 lb	0.5 g	15.7 x 11.8	20752
EB60EDE-IX	60 kg	132 lb	2.0 g	0.005 lb	1.0 g	15.7 x 11.8	20753
EB60FEG-IX	60 kg	132 lb	2.0 g	0.005 lb	1.0 g	19.7 x15.7	20754
EB150FEG-IX	150 kg	330 lb	5.0 g	0.01 lb	2.0 g	19.7 x15.7	20755

Fax on Demand Call 800-551-3774 — Get the latest information on each model by using the access number listed above.



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