

Intrinsically safe digital precision platforms for use in automated processes with approval for use in Zone 1 hazardous areas, designs EDE and IGG: also in Zone 21. With capacities ranging from 0.001g to 300 kg, these platforms meet the demands of the automated process industry for fast and reliable results, high precision, rugged construction, direct integration in control processes and network connectivity.



Minebea
intec
The true measure

Manufacture: Minebea Intec

SKU: **IS34EDE-HX**

Weight: 20.00 lb

Free Ground Shipping within the
 48 continental US States

Please Call
(800)832-0055

Features

Intrinsically safe digital precision platforms for use in automated processes with approval for use in Zone 1 hazardous areas, designs EDE and IGG: also in Zone 21. With capacities ranging from 0.001g to 300 kg, these platforms meet the demands of the automated process industry for fast and reliable results, high precision, rugged construction, direct integration in control processes and network connectivity. All precision platforms are equipped with monolithic weighing systems, built-in motorized calibration weights, integrated overload protection and electrical preload compensation.

These platforms can be individually configured for the conditions prevailing at the place of use, with parameters for weighing capacities, filters and stability. Up to two precision platforms can be connected to a Combics® EX indicator. Not only that. these platforms can be connected over a Zener barrier / Interface converter to Sartorius controllers of the X-Series (installed in the safe area) for use as weighing sensors in a wide range of applications such as batching, dosing, filling and more. The equipment supplied with the platforms includes certified verification of intrinsic safety covering all components that can be connected to the system. This special service provided by Sartorius makes it easy to generate the documentation of explosion protection required within the scope of occupational safety regulations. Reliable measurement results are guaranteed by the powerful built-in A/D converter and the use of intelligent software algorithms. Ambient interference factors such as temperature changes or vibration are filtered out automatically.

For BBE/CCE Models: ATEX: II 2 G EEx ib IIC T4 FM/CSA: I.S. CL I DIV 1, GP A, B, C D T4

For EDE/IGG Models: ATEX: II 2 G EEx ib IIC T4 T135°C FM/CSA: I.S. CL I, II, III DIV 1, GP A, B, C, D, E, F, G T4

The power supply for this scales series has to be ordered separately! (please see accessories)

Flexibility for use in hazardous areas with potentially explosive gas or dust atmospheres

The IS-X series of intrinsically safe platforms can be used in Zones 1 and 2 (gases) and, independently of their maximum weighing capacity and IP rating, even in Zones 20, 21 and 22 (dusts). These platforms have ATEX, FM and CSA approval.

This series of platforms features a monolithic weigh cell and intelligent communication capabilities for use in automated systems in hazardous areas. If you later decide to retrofit the platform with an on-site display, no problem! IS-X series platforms are compatible with other Sartorius products, for instance, with the Combics Ex indicator, that enables you to connect two IS platforms. All practical combinations with other Sartorius products are documented in the Verification of Intrinsic Safety diagrams that are provided with each platform. In addition, the standard RS-485 interface (RS-232C|TTY 10 mA optional) enables the IS-X platform to communicate directly with a PC, PLC or other controller.

IS-X platforms can be networked with up to 8 devices

You can choose to power IS-X platforms using power supplies located within or outside a hazardous area or a rechargeable battery pack (see also "Accessories").

The most advanced weighing technology for reliable weight readouts

The monolithic weigh cell in IS-X platforms enables high resolution of approx. 600,000 digits. In combination with the evaluation electronics for display, these platforms deliver reliable weight readouts in less than 1.5 seconds – even when exposed to temperature fluctuations. The platforms can also be optimally adapted to the particular place of use thanks to the configurability of various filter and stability criteria.

The standard built-in motorized calibration weight makes it easy to monitor and control the accuracy of the IS-X scales used as inspection, measuring and test equipment.

Built-in overload protection safeguards the IS-X platforms in tough industrial environments. A configurable, electrically compensated preload of up to 20% of the weighing capacity lets you weigh using installed equipment on the platform, without reducing the scale's original capacity.

Use in legal metrology

Intrinsically safe IS-X platforms are also available in a version that is verifiable for use in legal metrology: accuracy class K. The scales' test certificate has been issued for compliance with EN 45501 (1992) and OIML R76-1 (1992). In addition, the platforms can be configured as multi-interval and multiple range scales.

Specifications								
Model	IS2CCE-SX	IS6CCE-HX	IS12CCE-SX	IS16EDE-HX	IS34EDE-HX	IS64EDE-SX	IS150IGG-HX	IS300IGG-HX
Capacity x Readability	2.2kg x 0.01g	6.6kg x 0.01g	12kg x 0.1g	16kg x 0.1g	34kg x 0.1g	64kg x 1g	150kg x 1g	300kg x 1g
	4.8 x 0.00002 lb	13.5 x 0.00002 lb	26 x 0.0002 lb	35 x 0.0002 lb	75 x 0.0002 lb	141 x 0.002 lb	330 x 0.002 lb	660 x 0.005 lb
Pan Size	8.5 x 8 inch			15.8 x 11.8 inch			22 x 18 inch	
Dust and water rating	IP54			IP65			IP67	
Response time (average)	1.5 s		1 s	1.5 s				
Temperature range	10...30 °C					0...40 °C		
Explosion protection approval	II 2G EEx ib II C T4 (Zones 1, 2, gases)			II 2 G 1D EEx IIC T4 135°C IP6X (Zones 1, 2, gases, and Zones 20, 21, 22, dusts)				

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