







When precision measurement is required for weighing hazardous materials Minebea Intec has the answer. All models are Factory Mutual approved. Scales 3 kg and higher are approved for operation in Class I,II and III, Division 1 and 2 hazardous areas for all material groups. Instrumentation can be located almost anywhere, in or out of the hazardous area and up to 1,000 feet from the scale base.

### Consider these standard attributes:

- ① Cast aluminum or stainless steel enclosures are rugged and chemical resistant.
- ① Power supplies can be operated in the hazardous area including battery options for portable applications.
- ① Laboratory balance accuracy for bench scales down to 0.001 gram and up to 300 kg capacity floor scales.
- ① Convenience features include backlit displays and optional motorized internal calibration. Easy transfer of data to safe area for processing and storage.

# Hazardous Area Scale Specifications



### Application Level 3

- RS 232 interface
- 0-9 data entry keypad
- IP65 dust & water protection
- Post, base or wall mount
- Multiple weight conversions
- Lot number / product ID
- Time and date
- ISO test (cal. documentation)
- Multiple application programs
- Backlit display



USA: IS/CL I,II,III/DIV 1/GP ABCDEFG T4

Canada:

IS/CL I,II,III/DIV 1/GP ABCDEFG T4











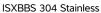
BBS 304 Stainless BBP Cast Aluminum

Signum Complete Scales - Indicator and Base

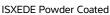
Model	Cap	acity	Read	dability	Reproducibility	Non-linearity	Construction	Calibration	Weighing	Platform	Ship
Number	<b>K</b> g	lb	g	lb	grams (<±)	grams (<±)	Material	Weight Kg	Platform in.	IP Rating	Weight lb.
SIWXSBBP- <b>3-06-H</b> *	0.6	1.3	0.001	0.000002	0.0 <b>0</b> 1	0.0 <b>0</b> 2	Cast Aluminum	0.5	4.5 diameter	43	20
SIW <b>X</b> SBBP- <b>3-3-H</b>	3.1	6.8	0.01	0.00002	0.01	0.02	Cast Aluminum	2	7.1 x 7.1	65	21
SIWXSBB <b>S-3-3-H</b>	3.1	6.8	0.01	0.00002	0.01	0.02	304 Stainless	2	7.1 x 7.1	65	21
SIWXSBBP- <b>3-6-H</b>	6.1	13.5	0.01	0.00002	0.01	0.02	Cast Aluminum	5	7.1 x 7.1	65	21
SIWXSBB <b>S-3-6-H</b>	6.1	13.5	0.01	0.00002	0.01	0.02	304 Stainless	5	7.1 x 7.1	65	21
SIWXSDCP-3-35-H	35	77	0.1	0.0002	0.2	0.2	Cast Aluminum	10	13.7 x 9.5	65	43
SIWXSDCS-3-35-H	35	77	0.1	0.0002	0.2	0.2	304 Stainless	10	14.6 x 10.2	65	43

<sup>\*</sup> SIWXSBBP-3-06-H approved for Class I, Div.1, Group ABCD











### IS Series - Base Only

Model	Cap	acity	Rea	dability	Reproducibility	Non-linearity	Construction	Calibration	Weighing	Platform	Ship
Number	<b>K</b> g	lb	g	lb	grams (<±)	grams (<±)	Material	Weight Kg	Platform in.	IP Rating	Weight lb.
ISXSBB <b>S</b> - <b>3-H</b>	3.1	6.8	0.01	0.00002	0.01	0.0 <b>0</b> 2	304 Stainless	2	7.1 x 7.1	65	19
ISXSBBS-6-H	6.1	13.5	0.01	0.00002	0.01	0.02	304 Stainless	5	7.1 x 7.1	65	19
IS16EDE-HX	16	35	0.1	0.0002	0.05	0.2	Powder Coated	10	11.8 × 15.7	65	41
IS34EDE-HX	34	75	0.1	0.0002	0.1	0.2	Powder Coated	10	11.8 × 15.7	65	41
IS64EDE-SX	64	141	1.0	0.002	0.3	1.0	Powder Coated	10	11.8 × 15.7	65	41
IS64EDE-HX	64	141	0.1	0.0002	0.1	0.3	Powder Coated	10	11.8 × 15.7	65	41
IS150IGG-HX	150	330	1.0	0.002	1.0	4.0	Powder Coated	50	31.5 × 23.6	65	184
IS300IGG-HX	300	660	2.0	0.0 <b>05</b>	2.0	8.0	Powder Coated	50	31.5 x 23.6	65	184

### Ex Instrumentation for IS-X Series



**APPROVED** Class: III, IIIL C of C: 19-055



Data Interfaces	RS232 Switchable RS485 or RS422
Power Supplies USA & Canadian	Via external power supply unit 14-pin round connector FM (US): YPS02-XUR CSA: YPS02-XKR FM/CSA: YPS02-ZKR safe area YRB02-X FM/CSA
Ex Approvals  C  APPROVED	USA: IS/CL I,II,III/DIV 1/GP ABCDEFG T4 Canada: IS/CL I,II,III/DIV 1/GP ABCDEFG T4

### **CAIXS2-U Hazardous Area Indicator**

Intended for use with all IS-X products, the CAIX2-U is designed to complement the high accuracy digital bases. Specify the following interface and cabling options when ordering:

- Option A19 RS485 digital base interface card
- Option M26 Digital base cable between CAIXS and IS-X scale base

#### **Other Features**

- RS232 switchable to RS485/RS422 for base or long distance data transmission
- Multiple weighing applications with 0-9 keyboard for tare or data entries
- Dual base connection possible, one analog and one digital scale
- Operation in safe or hazardous area with secondary remote indicator option

NOTE: Separate power supply required for base and indicator

# Hazardous Area Accessories

Ex Display Mounting Hardware					
Part Number	Description	Use with Product	Туре		
YDH01P	Stainless steel rear mounted column 19.6 height	Signum	DCP cast aluminum		
YDH02P	Stainless steel rear mounted column 15.75 " height	Signum	BBP cast aluminum		
YDH01CWSUS	Stainless steel rear mounted column 13 " height	Signum	DCS stainless steel		
YDH02CWSUS	Stainless steel rear mounted column 19.6 height	Signum	DCS stainless steel		
YDH03CWSUS	Stainless steel rear mounted column 25.5 " height	Signum	DCS stainless steel		
YDH02CISUS	Stainless steel tiltable wall mount kit	All Signum & CAIXS2-U	All versions		

Zenier B	Zenier Barriers						
Part Number	Description	Use with Product	Cabling	Scale Output to Barrier Output			
YDI05-ZU2	Zenier barrier from hazardous to safe area	Signum	20 meters included	RS232 to RS232 or RS485 to RS485			
YDI05-ZU3	Zenier barrier from hazardous to safe area	Signum or CAIXS2-U	YCC422-X or YCC485-X (A or B)	RS422 to RS232 or RS485 to RS485			
YDI05-ZU1	Zenier barrier from hazardous to safe area	CAIXS2-U	20 meters included	RS232 to RS232 or RS485 to RS485			

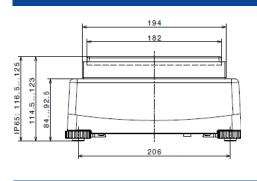
Cables					
Part Number	Description	Use with Product	Cable Length	Barrier Type	
YCC422-X type A	RS422 cable to barrier, conversion to RS232	CAIXS2-U	Specify length in feet	Use barrier YDI05-ZU3	
YCC422-X type B	RS422 cable to barrier, conversion to RS232	Signum	Specify length in feet	Use barrier YDI05-ZU3	
YCC485-X type A	RS485 cable to barrier, no conversion	CAIXS2-U	Specify length in feet	Use barrier YDI05-ZU3	
YCC485-X type B	RS485 cable to barrier, no conversion	Signum	Specify length in feet	Use barrier YDI05-ZU3	
YCC01-03ISM5	RS485 & RS232 from barrier to DB25 female	Signum & CAIXS2-U	5 meters	Use any barrier	
YCC01-09ISM5	RS485 & RS232 from barrier to DB9 female	Signum & CAIXS2-U	5 meters	Use any barrier	

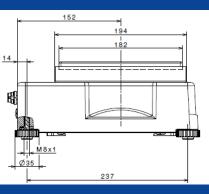
Ex Power Supplies					
Part Number	Description	Application			
YPS02-XUR	Power %uppl-   I kk-mok '(   'USA h + fi̯ * ž% fk use   16 foot cable '	All Signum & CAIXS2-U, hardwired to wall			
YPS02-XKR	Power supply, 100-240 V, Canada hazardous area use,16 foot cable	All Signum & CAIXS2-U, hardwired to wall			
YPS02-ZKR	Power supply, 100-240 V, USA + Canada outside hazardous area	All Signum & CAIXS2-U, plug to wall			
YRB02-X	Power supply, USA + Canada external rechargeable battery	All Signum & CAIXS2-U, plug to indicator			
YRB02LD	Battery charger for use outside hazardous area	Use with YRB02-X battery			

Optional Data Output Boards				
Part Number	Description	Application		
YD007-X	Indicator interface board	CAIXS2-U, RS232 or RS485 selectable		
YDO58IS-X	Digital platform interface board	ISEDE-X, RS-232		
YDO52IS-X	Digital platform interface board	ISIGG-X, RS-232		

# **Dimensional Drawings**

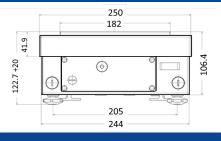
# **BBP Cast Aluminum Housing**

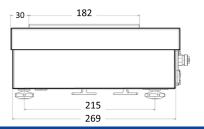






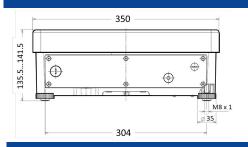
# **BBP Stainless Housing**

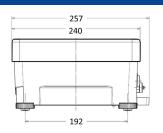






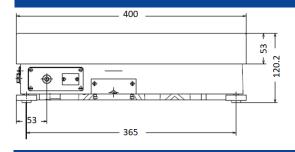
# DCP Cast Aluminum Housing

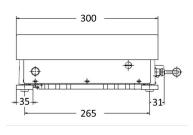






# **EDE Cast Aluminum Housing**







# IGG Galvanized Housing

