

Minebea Intec Signum Ex Supreme

Explosion Proof Bench Scale



Standard Features

- Monolithic weighing system
- Resolution up to 620,000 d
- Stainless steel weighing pan
- IECEx/ATEX Zone 1/2/21/22
- FM Class I, II, III; Div. 1; Groups ABCDEFG and T4
- Stainless or painted versions
- Requires YPS02-XUR (RL # 46518) US hazardous area or YPS02-ZKR (RL# 46517) safe area connection

APPROVALS



Specifications

Material:

SIWXSBBP, SIWXSDCP – Stainless steel display unit, painted platform with stainless steel load plate
SIWXSBBBS, SIWXSDCS – Brushed stainless steel

IP Protection:

IP65
IP44 Zone 1 ONLY: SIWXSBBP, SIWXSBBBS 1.3 lb (0.6kg)

Net Weight/Gross Weight:

SIWXSBBP, SIWXSBBBS : 19.8/23.8 lb (9.0/10.8 kg)
SIWXSDCP, SIWXSDCS : 33/39.6 lb (15.0/18.0 kg)

Packaging Dimensions:

SIWXSBBP, SIWXSBBBS (W x D x H): 22.4 x 15.7 x 14.5 in (570 x 400 x 370 mm)
SIWXSDCP, SIWXSDCS (W x D x H): 20 x 17.3 x 16.1 in (510 x 440 x 410 mm)

Operating Temperature:

SIWXSBBP, SIWXSBBBS 50° F to 104° F (10° C to 40° C)
SIWXSDCP, SIWXSDCS 14° F to 104° F (-10° C to 40° C)

Data Interfaces:

RS-232
Can be switched to RS-485 or RS-422 connection via 14-Pin round socket

Supply Voltage:

Via external power supply, connection via 14-Pin round socket (20 cm cable)

Power Supply Hazardous Area:

ATEX: YPSC01-X

Power Supply Safe Area:

ATEX: YPSC01-Z
FM/CSA: YPS02-ZKR (PN 46517)

Battery Operation:

Via external battery YRB02-X (103068)
Charger PN 103069

Cable Length:

2 m (6.6 ft) between display unit and platform

Warranty:

Two-year limited warranty

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Part Number/Price

| RLWS PN | Minebea PN | Description | Platform Dimensions | Price |
|------------------|-----------------|---------------------------------------|---------------------|---------|
| Painted | | | | |
| 155866 | SIWXSBBP-3-06-H | 1.3 x 0.000002 lb (0.62 kg x 0.001 g) | 5 in ø | Consult |
| 155867 | SIWXSBBP-3-3-H | 6.8 x 0.00002 lb (3.1 kg x 0.01 g) | 7.1 x 7.1 in | Consult |
| 155868 | SIWXSBBP-3-6-H | 13.5 x 0.00002 lb (6.1 kg x 0.01 g) | 7.1 x 7.1 in | Consult |
| 155870 | SIWXSDCP-3-35-H | 75 x 0.0002 lb (35 kg x 0.1 g) | 13.7 x 9.7 in | Consult |
| Stainless | | | | |
| 155871 | SIWXSBBBS-3-3-H | 6.8 x 0.00002 lb (3.1 kg x 0.01 g) | 7.1 x 7.1 in | Consult |
| 155872 | SIWXSBBBS-3-6-H | 13.5 x 0.0002 lb (6.1 kg x 0.01 g) | 7.1 x 7.1 in | Consult |
| 155873 | SIWXSDCS-3-35-H | 75 x 0.0002 lb (35 kg x 0.1 g) | 14.5 x 10.25 in | Consult |

Options/Accessories

| RLWS PN | Minebea PN | Description | Price |
|---------|------------|---|------------|
| 46518 | YPS02-XUR | Hazardous area power supply - (FM approved for use in the USA) (8 ft. of intrinsic cable and 8 ft. of cable requiring hard wiring by licensed electrician) | Consult |
| 46517 | YPS02-ZKR | Safe area power supply (65 ft of intrinsically safe cable) | Consult |
| 103055 | YDI05-ZU2 | Zener barrier hazardous area RS-232 to RS-232 converter, 14-Pin plug | Consult |
| 103059 | YDI05-ZU3 | Zener barrier hazardous area RS-422 to RS-232 (requires 6971413, RL 50232, power supply) cable connection not included | Consult |
| 153218 | YDH01PUS | Column for DC platforms, height 19 in | Consult |
| 155884 | YDH02P | Column for BBP platforms, height 15.75 in | Consult |
| 103068 | YRB02-X | Rechargeable battery (requires 103069 battery charger) | Consult |
| 103069 | YRB02-LD | Battery charger (requires power cord) | Consult |
| 103057 | YCC422-X | Cable without connectors for RS-422 | Consult/ft |
| 102078 | 6971954 | Power cord | Consult |