

## Process Controllers maxxis5 PR5900

Minebea Intec

2023/06/02

## Features



- Data Integrity (DI) Support
- User management and password management functions included
- Compatible with load cells, digital load cells, platform scales, and electromagnetic platform scales (optional)
- Intrinsic safety explosion-proof circuit built-in (optional)
- Class of protection: IP65 (front panel section)
- Panel mount type (G1), desktop type (option G2), wall mount type (option G3)
- Extensive options including RS-232C/RS485, analog and digital I/O
- Data backup and restore function (in SD memory card)

## Specification

Specification name	Specification contents
Class	OIML R76; Class III 10000e acc. To EN45501
Non-linearity	<0.003%
Load cell Nominal supply voltage	DC12V max160mA, with remote sensing function, W1 and W2 max 8 x 650Ω load cells (min 75Ω), max 4 x 350Ω load cells
Temperature effects	Zero:<0.05μV/K RTI、Span:<±4ppm/K
Input signal range	0~36mV
Minimum entry force sensitivity	0.2 μV/d (0.5 μV/e for legal metering)
Internal resolution	max 7,500,000 counts at 3mV/V
Conversion speed	5~1600ms
Power supply	AC100-240V (45/100%) 50/60Hz 1A

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Power supply	AC100-240V(-15/+10%), 50-60Hz, 44VA
Ambient operating temperature	-10°C~40°C
Ambient operating humidity	95%RH or less (no condensation)
Temperature during storage and transportation	-20°C~70°C
Class of protection	Panel mount type (G1): IP65 (front panel) Desktop type (G2/G3): IP68/IP69K
Standard interface	RS-232C, RS-485, LAN port, Digital I/O, SD card port (SD memory card (8G) standard), USB port
Explosion-proof certification in Japan(DEKRA)	[ Ex ib Gb ] IIC , [ Ex ib Db ] IIIC ( DEK18.0095X ) [ Ex ib Gb ] IIC , [ Ex ib Db ] IIIC ( DEK18.0097X )
Conforms to overseas explosion protection standards	[IECEx] Ex ib IIC T4 Gb / [ATEX] II 2G Ex ib IIC T4 Gb
Option	W1: A/D converter
Option1	L8: 24VDC power supply (-10/+10%)
Option2	L14: Cable clamp specification
Option3	L15: Reinforced frame
Option4	B15 (Option 1): RS-485
Option5	B25 (Option 2): RS-485 (with power supply for connection to IS electromagnetic platform scales)
Option6	B16 (Option 1): Analog output 0/4-20 mA
Option7	B26 (Option 2): Analog output 0/4-20 mA
Option8	B17 (Option 1): Digital I/O 4 points
Option9	B27 (Option 2): Digital I/O 4 points
Option10	C21 (FB option): Profibus-DP interface
Option11	C24 (FB option): DeviceNet interface
Option12	C25 (FB option): CC-Link interface
Option13	C26 (FB option): Profinet interface
Option14	C27 (FB option): Ethernet/IP interface
Option15	E5: Alibi memory audit trail function
Dimension (W x H x D)	350 mm x 280 mm x (Panel-mounted 92 / Desktop 160)
Weight	Approx. 3 kg
Gross Weight	4 kg

## External view



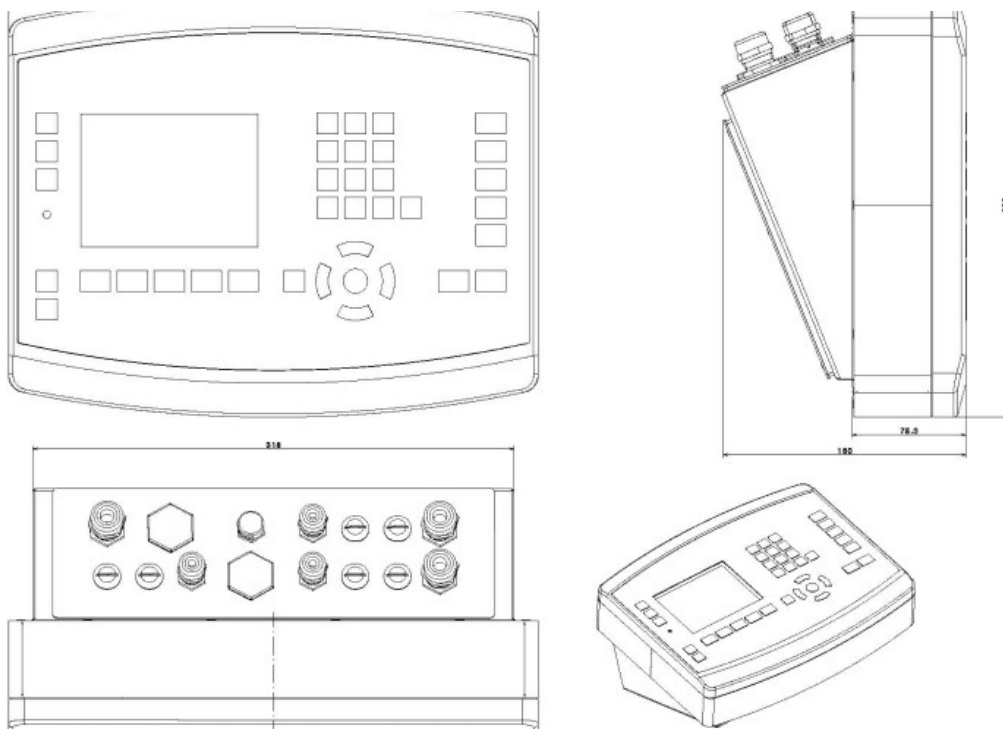
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New Product

[\[New Product\]Digital Indicator "CSD-701C" is released ! Great improvement on Temperature Characteristics and Non-linearity!](#)

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