



Power Meter Monitor

Model: PMM0730

Document version: 1.2

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AI (4-20 mA) - (3.3/5)

KEY FEATURES

- Analog Signal input range (4-20 mA)
- Analog signal output range (0-3.30/0-5 V)
- Both power and signal isolated module
- There is no need for an external power supply; operating power supply is 5V DC
- Current consumption 10mA
- Error percentage does not exceed 0.1% of full scale.
- High reliability
- No software configuration is needed
- Highly compacted size
- DIN rail mounting
- Operating temperature: -20°C to +83°C

TECHNICAL DATA

Number of analog inputs	1
Signal type	Current
Current signal type	4-20 mA
Number of analog outputs	1
Signal type	Voltage
Voltage signal type	0-3.30/0-5 V
Operating temperature	-20°C to +83°C

MECHANICAL DATA

Width	66.5mm (2.6")
Height	113mm (4.5")
Depth	6mm (0.23")
Weight	50 g
Mounting type	Din rail

DESCRIPTION

PMM0730 is an analog input module that has isolated input channel. It is useful and could be used for many industrial applications as the module receives analog signals from sensors and field devices ranges from 4 to 20 mA. Then, the module converts the signal to 0-3.3 V scale or 0-5 V scale to make the signals compatible with the controller.

Moreover, PMM0730 performs signal conversion at extremely high accuracy with minimum possible errors which makes it very reliable as well as it is very easy to use as there is no need for software configuration.

- PMM0730 is available in two versions, the differences between them are illustrated in the following table:

Version	Number of inputs	Isolation
1.1	2	Not isolated
1.2	1	Fully isolated

BLOCK DIAGRAM

NUMBER	SIDE	DESCRIPTION
1	CPU	GND
2	CPU	Input 0-3.3V/0-5V
3	CPU	VCC 5V
4	FIELD	Analog Input 1
5	FIELD	Analog Input 2

