



Power Meter Monitor

Model: PMM0731

Document version: 1.2

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AI (3.3/5) - (3.3/5)

KEY FEATURES

- Signal level converter between 3.3V and 5V
- Analog signal input range (0-3.3/0-5V)
- Both power and signal isolated module
- There is no need for an external power supply; operating power supply is 5V DC
- Current consumption 10mA
- High reliability and accuracy
- 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	Voltage
Voltage signal type	3.3V/5V
Number of analog outputs	1
Signal type	Voltage
Voltage signal type	3.3V/5V
Operating temperature	-20°C to +83°C
Degree of protection	IP54

MECHANICAL DATA

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

DESCRIPTION

PMM0731 is an analog input module that has isolated input channel. The module either steps up signals from 3.3V to 5V or steps down signals from 5V to 3.3V.

Moreover, PMM0731 performs signal level conversion at extremely high accuracy with minimum possible errors which makes it very reliable. PMM0731 is very easy to use as there is no need for software configuration.

- PMM0731 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	Analog Input 0-3.3V/0-5V
3	CPU	VCC 5V
4	FIELD	Analog Input 0-3.3V/0-5V/0-10V
5	FIELD	F.GND

