



Power Meter Monitor

Model: PMM0736

Document version: 1.2

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AI (3.3/5) - (1v)

KEY FEATURES

- 1x Analog input (0-1V)
- 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
- Error percentage does not exceed 0.1% of full scale
- 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	0-1V
Number of analog outputs	1
Signal type	Voltage
Voltage signal type	0-3.3/0-5 V
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")
Wight	50 g
Mounting type	Din rail

DESCRIPTION

PMM0736 is an analog input module that has an 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 0-1V. Then the module converts the signal to 0-3.3V or 0-5V scale to make the signals compatible with the controller.

Moreover, PMM0736 performs signal conversion at extremely high accuracy with minimum possible errors which makes it very reliable. PMM0736 is very easy to setup as there is no need for software configuration.

- PMM0736 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 0-1V
5	FIELD	F.GND

