

Power Meter Monitor

Model: PMM0732 Document version: 1.2 Date: February 2022



AI (3.3/5) - (-10-10V)

KEY FEATURES

- 1x Analog input (-10-10V)
- 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 | Voltage | |
| Voltage signal type | -10- +10V | |
| Number of analog inputs | 1 | |
| Signal type | Voltage | |
| Voltage signal type | 0-3.30/0-5 V | |
| Operating temperature | -20°C to +83°C | |
| Degree of protection | IP54 | |
| MECHANICAL DATA | | |
| Width | 66.5mm (2.6") | |
| Height | 113mm(4.5'') | |

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|---------------|--------------|
| Height | 113mm (4.5") |
| Depth | 6mm (0.23") |
| Weight | 50 g |
| Mounting type | Din rail |

DESCRIPTION

PMM0732 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 -10-10V. 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, PMM0732 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.

 PMM0732 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 |



SCHEMATIC AND WIRING DIAGRAM

| NUMBER | SIDE | DESCRIPTION |
|--------|-------|------------------------|
| 1 | CPU | GND |
| 2 | CPU | Input 0-3.3V/0-5V |
| 3 | CPU | VCC 5V |
| 4 | FIELD | Analog Input -10/+10 V |
| 5 | FIELD | F.GND |





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