

VM-01F

Isolated Voltage Measurement Module

30.5.2007



Features

- 0 – 10 V voltage measurement
- Fully Isolated
- No external power supply needed
- Factory calibrated
- Linet connection

Application

- Data logging
- Signal Isolation
- Voltage transmitter
- Battery monitoring
- Low voltage alert

Description

VM-01F- module measures voltage with very accurate digital converter. Module is fully isolated and offers excellent long-

term stability. Module is factory calibrated for extreme accuracy.

Instructions

CAT6 type Linet cable shall be connected to the network connector. After system is powered up the module shall be configured as DATA12 group type. After that the module transmits 12-bit data value relative to the measured voltage.

Voltage measurement data:

Calculation formula:

Data value /100 = Voltage

Example data:

515 = 5.15V

745 = 7.45V

1011 = 10.11V

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Technical specifications

Parameter	Value	Unit
Measurement range	0 – 10	V
Accuracy	1% or better	V
Resolution	0,01	V
Input impedance	100 000	Ohm
Operating temperature	0 ... 50	Celsius
Dimensions	50 x 66.5 x 20	mm

Ordering

VM-01F Isolated voltage measurement Module