

## VM(I)-01D

Isolated Voltage Measurement Module

30.5.2007



VMI-01D- 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.

VMI-01D uses internal isolated supply and VM-01D needs external supply.

NOTE: If VM-01D (unisolated module) is used, then external 15...70Vdc supply must be connected.

### **Voltage measurement data:**

Calculation formula:

Data value /50 = Voltage

Example data:

3915 = 78.3V

4000 = 80.0V

1234 = 24.6V

4094 = fault

### **Features**

- 0 – 80 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(I)-01D

Isolated Voltage Measurement Module

30.5.2007

---

### *Technical specifications*

Parameter	Value	Unit
Measurement range	0 – 80	V
Supply voltage (VM-01D)	15-70	V
Accuracy	1% or better	V
Resolution	0,02	V
Input impedance	100 000	Ohm
Operating temperature	0 ...50	Celsius
Dimensions	90 x 55 x 60	mm

### *Ordering*

VMI-01D            Isolated voltage measurement Module  
VM – 01D        Un isolated voltage measurement Module