

## AM-72X72 ANALOGUE PANEL METER

ITEM NO.: 10 35 26	1 A/AC	ITEM NO.: 10 35 30	15 A/AC
ITEM NO.: 10 35 28	5 A/AC	ITEM NO.: 10 35 31	25 A/AC
ITEM NO.: 10 35 29	10 A/AC		

### INTENDED USE

Analogue fixed measuring instruments are intended for installation in switching cabinets or display panels. The installation occurs directly without external components; appropriate pre-resistors are already integrated in the circuit. Only in integrated status they may be put into operation. The suitable regulations are to be observed. The fixed measuring instruments are available with different measurement ranges. The scale needle can be adjusted precisely with the front screw.

For safety and approval purposes (CE), you must not rebuild and/or modify this product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause hazards such as short circuiting, fire, electric shock etc. Read the instructions carefully and keep them. Make this product available to third parties only together with its operating instructions.

This product complies with the statutory national and European requirements. All company names and product names are trademarks of their respective owners. All rights reserved.

### DELIVERY CONTENT

- Meter
- Mounting material
- Operating instructions

### EXPLANATIONS OF SYMBOLS

- ⚠ An exclamation mark in a triangle shows important notes in these operating instructions that must be strictly observed.
- ⚡ The triangle containing a lightning symbol warns against danger of electric shock or impairment of the electrical safety of the device.

CE This device is CE-compliant and meets the necessary European directives.

□ Protection class 2 insulation (double or reinforced insulation)

CAT III Overvoltage category III for measuring in building installation (e.g. outlets or subdistribution). This category also covers all lower categories (e.g. CAT II for measuring electronic devices).

At the scale's face different symbols are attached, that have the following significance:

- ⊥ Installation position vertical
- 1.5 Accuracy class related to the scale end value
- ~ Alternating voltage/-current (AC)
- ⚡ Moving iron instrument

### SAFETY INSTRUCTIONS

⚡ Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

#### a) Persons / Product

- The device must not be used in damp interiors or outdoors in the open air.
- The fixed measuring instrument must not be used for medical purposes.
- Be especially cautious in dealing with voltage >25 V/AC. Already at this voltage you can get a life-threatening electric shock when touching electric lines.
- De-energise the electric system before installing the measuring instrument.
- The device is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. These may become dangerous playing material for children.
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Do not place the product under any mechanical stress.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. Safe operation can no longer be guaranteed if the product:
  - is visibly damaged,
  - is no longer working properly,
  - has been stored for extended periods in poor ambient conditions or
  - has been subjected to any serious transport-related stresses.

- Please handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.
- Also observe the safety and operating instructions of any other devices which are connected to the product.

#### b) Miscellaneous

- Consult an expert when in doubt about operation, safety or connection of the device.
- Maintenance, modifications and repairs are to be performed exclusively by an expert or at a qualified shop.

If you are not sure about the correct connection or use, or if questions arise which are not covered by these operating instructions, please do not hesitate to contact our technical support or another qualified specialist.

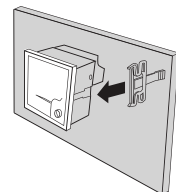
Voltcraft®, Lindenweg 15, D-92242 Hirschau, Tel. +49 180/586 582 7.

### INSTALLATION

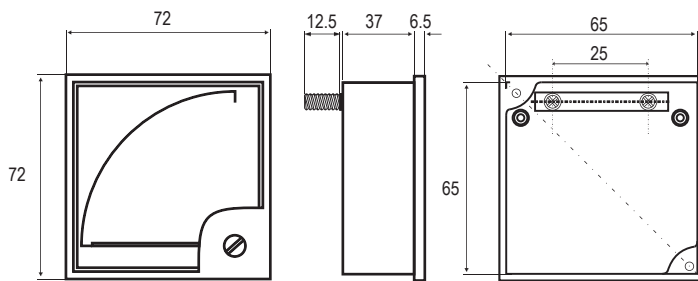


Assembly and installation may only be carried out by a specialist, who is familiar with the relevant regulations and the ensuing risks.

Mount the panel meter with the supplied mounting brackets into a prefabricated rectangular front plate opening. Carefully affix the panel meter (see adjacent illustration).



You can get the corresponding dimensions (in mm) from the following sketch.



### CONNECTION



In order to ensure a correct start of operation, you should read these operating instructions including the safety instructions thoroughly and attentively before using the device.

Do not connect when the wires are live.

Connection of the panel meter has to be done in series connection. Connect the panel meter to the screw-type terminals on the back.

### DISPOSAL



Electronic devices are recyclable waste and must not be disposed of in the household waste.

At the end of its service life, dispose of the product according to the relevant statutory regulations.

### TECHNICAL DATA

Item no.	10 35 26	10 35 28	10 35 29	10 35 30	10 35 31
Measurement range (full-scale deflection)	1 A/AC	5 A/AC	10 A/AC	15 A/AC	25 A/AC

Overvoltage category ..... CAT III 300 V

Movement..... Moving iron

Accuracy class..... 1.5

Electrical connection..... Screw terminals

Installation dimensions ..... 68 x 68 mm

Operating conditions..... -25 to +55 °C, 20 – 95 % RH (non-condensing)

Storage conditions..... -40 to +70 °C, 20 – 95 % RH (non-condensing)

Weight ..... approx. 103 g

#### Ⓢ Legal notice

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