

ELECTRICAL MEASUREMENTS MODULES

Mod. MGE-D1/EV

TECHNICAL SPECIFICATIONS:

Set of digital instruments modules for general and electrical machines measurements.

Set of devices:

- **2 Modules AZ-50:**
 - 1 three-pole power switch
- **1 Module AZ-67:**
 - 1 phase sequence indicator with lamps
- **1 Module AZ-68:**
 - 1 synchronization device for parallel connection of three-phase lines or generators

Set of digital instruments:

- **1 Module AZ-73D:**
 - 1 tachometer 240 Vdc @ 4000 RPM - accuracy rating: 1%
 - Auxiliary power 110...240 VAC - 50/60 Hz.
- **2 Modules AZ-VIP5/EV.** Each module includes:
 - **Current Measurement:** 5 A max. Included 3 CT 5/5A. The range can be expanded with 3 external CT x/5A; THD Total Harmonic Distortion for currents; Overcurrent: 50A for 1 sec.; Current Accuracy: 0.5%
 - **Voltage Measurement:** 3-ph + N.; 400 V phase to N and 690 V ph. to phase, 45..66 Hz; Voltage Accuracy: 0.5%; THD Total Harmonic Distortion for voltage
 - **Frequency:** 45...66 Hz.
 - **Power Measurement:** 3.5 kVA / kW / kVar
 - **Other parameters measured:** Power factor, Voltage Asymmetry, Energies meter: kWh / kVAh / kVAh and Counter Hour
 - Other features:
 - Auxiliary power 110...240 VAC - 50/60 Hz.
 - Graphic LCD display, 128 x 80 pixel, backlit, with 4 grey levels.
 - Four keys for parameters visualizing and settings.
 - Possibility to create up to 4 programmable pages, each with 4 selectable measures among the measured parameters.
 - Two programmable relays with max/min alarm functions, selectable among the measured parameters.
 - Graphical Menu and Messages in 5 languages: English, Italian, Spanish, French and Portuguese.
 - Communication port: RS485 for data networking.
 - All connections are provided with safety plugs (Ø 4 mm)



- **1 Module AZ-VIDC/EV.** Each module includes 2 multifunction instruments, with the following features:
 - VDC max.: 600 V; precision: ± 0,2 %
 - IDC max.: 20 A; precision: ± 0,5 %; overload 2 x 20 A (3 min)
 - Power DC max.: 10 kW
 - Displays: visualize V, I, W. LCD, backlit, 3 lines, 4 digit per line. Automatic decimal point. Five levels of illumination.
 - All connections 4 mm Ø safety terminal

The Vertical module holder frame mod. TSI/EV is supplied separately on demand.

POWER SUPPLY:

The value indicated on each module

THEORETICAL-EXPERIMENTAL HANDBOOKS

Application handbook with exercises.