



# 3-Phase Retrofit Energy Meter

Retrofitting now made easy with the new Carlo Gavazzi EM21-72R energy meter



# The Perfect Solution For Retrofit Energy Meter Carlo Gavazzi EM21-72R

The new Carlo Gavazzi EM21-72R 3-phase Energy Meter from NHP is a compact and easy to install device, perfectly tailored for retrofit applications.

This latest innovation from Carlo Gavazzi is:

- Pre-programmed
- Self powered, and has
- Pre-wired split CTs

This avoids the requirement of any change in the existing wiring as current measurement can be made by simply installing the miniature split-core current sensor (supplied together with the device) on the wires, without disconnecting them.

The EM21-72R are supplied with either 90 A, 150 A or 250 A current transformers to ensure coverage of almost all possible applications up to 250 A.

The EM21-72R can be mounted in any type of panel frames as it is suitable both for panel and DIN-rail mounting (only 4-DIN modules), achieved through the innovative patented detachable display.

As with all Carlo Gavazzi meters with the optional RS485 port, the new EM21-72R range can be connected to the powerful Energy Monitoring Software – PowerSoft, for all your trending, analysis and reporting requirements.



Panel mount



DIN mount

## Main technical features

- The kit includes 3 split-core miniature current sensors
- Self power supply
- Current full-scales: 90 A (10 mm hole diameter), 150 A (16 mm), 250 A (24 mm)
- Display type: LCD, detachable
- Accuracy class 2 of EN62053-21  
**(For system. This includes Pre-Wired CT's)**
- Housing : 72 x 72 x 65 mm for both DIN-rail and panel mounting
- Instantaneous variables readout: 3 x 3 digit; Energy metering readout: 7 digit
- Accuracy  $\pm 0.5\%$  RDG (voltage),  $\pm 1\%$  RDG (current)
- System variables: W, var, PF, Hz, kWh, kvarh (other variables available via RS485)
- 1 pulsating (opto-mosfet) output
- Single phase variables: A, VLL, VLN, PF (other variables available via RS485)
- Protection degree (front panel): IP 50
- Wrong phase-sequence warning

## Optional

- RS485 port (Modbus RTU)



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