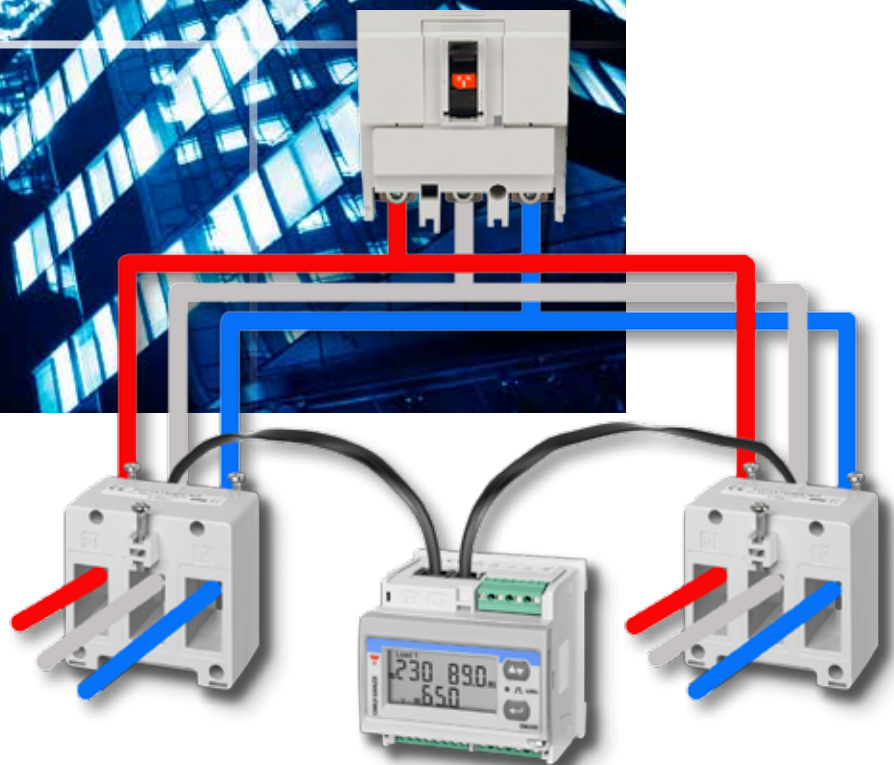
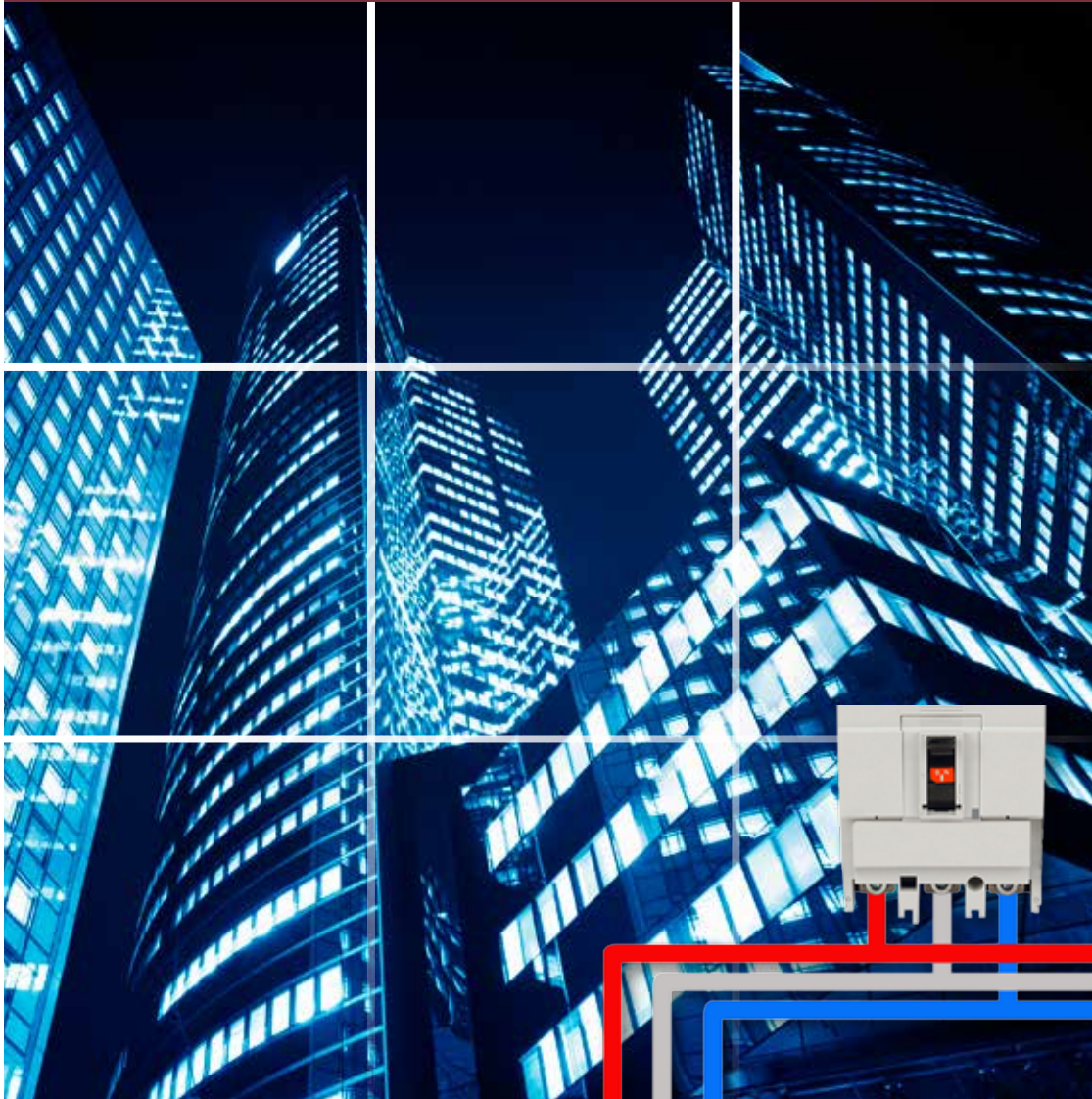


EM270 dual 3-Phase energy meter

Quick fit, compact energy meter

METERING



Innovation in the world of energy metering

The increasing need to monitor energy usage coupled with the requirements of NABERS, Green Star and Section J 8 of the BCA, has seen a costly rise in meter installation time and a decline in valuable panelboard/loadcenter real estate.

Providing a clear solution to meet these requirements, the EM270 from NHP is a quick fit energy meter that has been developed with the sole objective of reducing metering space and saving up to 90% on installation time.

The EM270 also uses far fewer wires and terminals compared to any traditional solution and is of great value to those who require an extremely short installation time.



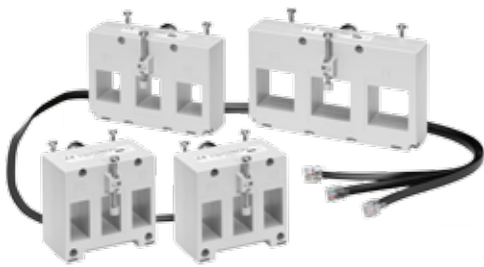
EM270 DIN-rail mount

Key features:

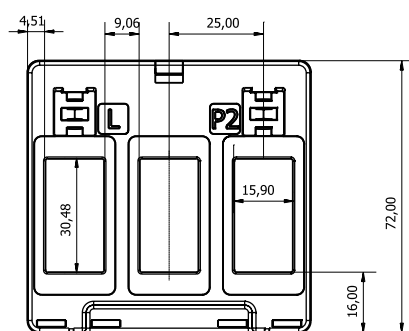
- Save 90% of the installation time.
- Squeeze 3 meters in 1.
- Daisy-chain voltage and serial bus.
- Connect triple current transformers quickly with no wiring error (new installations).
- Install the meter in the panel or in a DIN-rail, simply by placing the patented removable display in the relevant side.

3-Phase current transformers

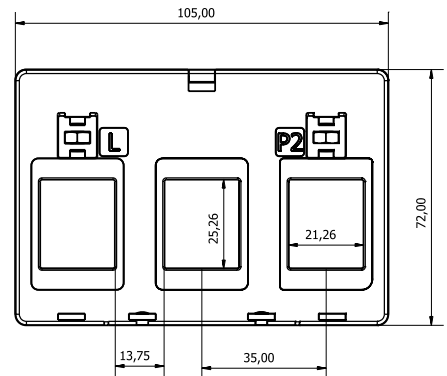
There are 3 different size triple current transformers to meet the needs of every panelboard application. (160A, 250A, & 630A) The form factor of the 250A and the 630A perfectly matches the NHP Moulded Case Circuit Breakers.



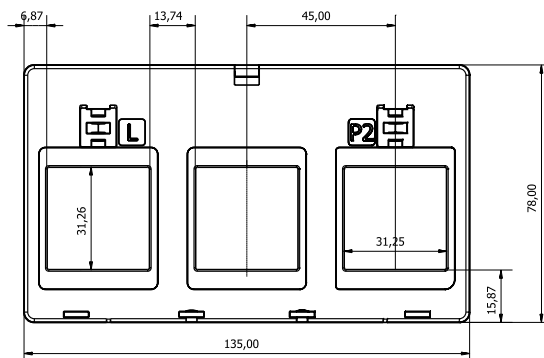
3-Phase current transformers



160A transformer



250A transformer



630A transformer

Three meters in one

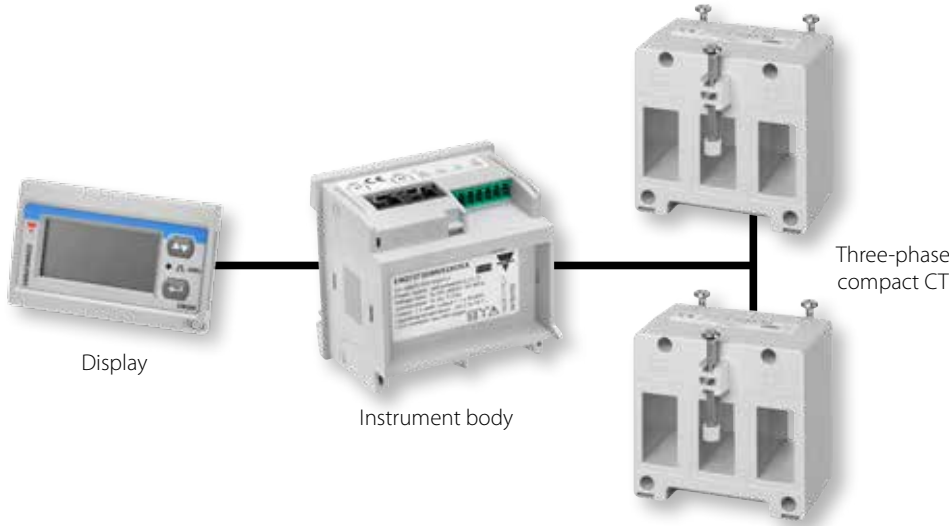


EM270 panel mount

Whenever a split load needs to be monitored (e.g. the power and lighting) the EM270 is the answer. By means of two RJ11 current inputs, each managing a triple current transformer, the EM270 is capable of monitoring all the electrical variables and energy of two independent three-phase loads or six independent single-phase loads. The EM270 may then also be set to aggregate these two circuits with a third virtual meter.

CT connection

With just two simple clicks a pair of triple current transformers may be connected to the EM270. This simple connection system removes all chances of connection errors as well as simultaneously automatically setting the CT ratio.



CT connection

Readings:

- Volts: V_{L-N} and V_{L-L}
- Current: 2 x 3-Phase or 6 x 1-Phase $L_1, L_2, L_3, + L_1, L_2, L_3$
- Power: kW, kvar, kVA, dMđ
- Energy: kWh, kvarh

Readings available as:

- Systems (2 x 3 phase or 6 x 1 phase)
- 3 phase (1 x 3 phase + 1 x 3 phase)
- Single phase (6 x 1 phase)

Ordering information

	Ordering code	Description
Meter	EM27072DMV53XOSX	Energy meter EM270 240VAC self supply RS485 + 2 pulse out
Current Transformer	TCD1X160200CMX	EM270 3PH CT 160A 15.5 x 25mm holes, 25mm centres, 2000mm cable
Current Transformer	TCD2X250200CMX	EM270 3PH CT 250A 21 x 25mm holes, 35mm centres, 2000mm cable
Current Transformer	TCD3X630200CMX	EM270 3PH CT 630A 31 x 31mm holes, 45mm centres, 2000mm cable





For more information, scan to download the NHP eCatalogues App offering exclusive video content, catalogues and literature!

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