

# NANOMETER



## THREE-PHASE STATIC MULTI-FUNCTIONAL METER (MFM)

- LOW VOLTAGE ELECTRICAL DISTRIBUTION
- EXTERNAL CURRENT TRANSFORMER (CT)
- MULTIFUNCTION DISPLAY
- HARMONIC ANALYSIS
- DIGITAL INPUT / OUTPUT
- EDS COMMUNICATION
- STANDARD 4-WAY DIN-RAIL MOUNT

RoHS



The NanOMeter is a static meter of active and reactive energy, designed for a standard 4-way DIN-rail mount, for three-phase systems with or without connecting to the neutral line. The large LCD display enables clear visualization of the total active and reactive energy, active and reactive power (total and per phase), of the phase voltage, of the phase current and of the power factor. Moreover, the meter provides the option to display harmonic analysis of the individual phases. The presence of the buttons allows you to perform basic programming operations. The device is also equipped with 2 programmable interfaces (1 digital IN and 1 digital OUT).

## DATA SHEET

MODEL	NanOMeter
PRODUCT CODE	NE2
CERTIFICATIONS	RoHS, CE UAE RoHS, ECAS
MAXIMUM MEASUREMENT ERROR	±0,5%
POWER SUPPLY	12÷15Vdc or auxiliary power supply 230Vac
CURRENT DRAW	max 30mA at 13,9V
SIZE	90x70x59mm - 4 DIN modules
WEIGHT	120g
COMMUNICATION BUS	EDS
NOMINAL VOLTAGE	3x230Vac
NETWORK FREQUENCY	50Hz
INPUT CURRENT	5(6)A
MAXIMUM CT TRANSFORMATION RATIO	40.000/5A
DIGITAL INPUT	Dry contact
DIGITAL OUTPUT	Open collector (max voltage 48Vdc, max current 50mA)
MEASURING PARAMETERS	Total active energy, total reactive energy, total active power, active phase power, total reactive power, phase reactive power, phase voltage, phase current, power factor
HARMONIC ANALYSIS	Total harmonics from order 1 to 12, single phase harmonics from order 1 to 25
DISPLAY	1.8 " TFT LCD backlit in color 128x160pixel resolution
METROLOGICAL LED	10000imp/1KWh
OPERATING TEMPERATURE	min -25°C max +55°C
WAREHOUSING TEMPERATURE	min -40°C max +80°C