

SINGLE PHASE ENERGY METER

DIRECT CONNECTION UP TO 100A

RS485 Modbus RTU

MOD. PEC-EM1-100A

MAIN FEATURES	
DIMENSION AND MOUNTING	1 DIN rail module with backlit
POWER SUPPLY	L-N from Network
ACTIVE ENERGY ACCURACY	Class 0,5/1 under IEC 62053-22, IEC 61557-12
VOLTAGE MEASUREMENT RANGE	176 - 275Vac – Nominal Voltage 230Vac
MAX DEMAND WITH RTC	Real-time clock with recording of value and date/time of maximum daily demand, previous days and previous months.
SERIAL COMMUNICATION	RS485 Modbus RTU - Baud rate from 1200 to 19200
DISPLAY	Backlit, programmable. Graphical display of load type Reactive (Capacitive/Inductive)
SETTINGS	Via integrated capacitive keypad

AVAILABLE MEASUREMENTS	
	Bidirectional measurement of active and reactive energy import/export Multi-tariff
ACTIVE ENERGY **REACTIVE ENERGY**	CLASS 0,5S / 1 - IEC 62053-22/ IEC 61557-12 CLASS 2 - IEC 61557-12
POWER FACTOR	CLASS 1 - IEC 61557-12

ENVIRONMENTAL INFO	
WORKING TEMPERATURE	-25°C ... +70°C
STORAGE TEMPERATURE	-40°C ... +80°C
HUMIDITY	<90 % not condensing
ALTITUDE INSTALLATION	up to 2000 mt
IP PROTECTION	Frontal IP51 - Body IP 30 (under IEC 60529)
VIBRATIONS	10Hz -150Hz under IEC 60068-2-6
DIMENSION	18x100x66 mm – DIN rail mounting - 1 Module

MID CERTIFIED VERSIONS NEW

PEC-EM1-100A-MID	Single phase direct connection energy meter up to 100A RS485 Modbus RTU Active Energy in Class C under EN50470-3:2022
PEC-EM3-100A-MID	Three phase direct connection energy meter up to 100A RS485 Modbus RTU Active Energy in Class C under EN50470-3:2022
PEC-EM3-5A-MID	Three phase for external CTs 1/5A energy meter RS485 Modbus RTU Active Energy in Class C under EN50470-3:2022
PEC-EM3-ETH-5A-MID	Three phase for external CTs 1/5A energy meter RS485 Modbus RTU and ETH port with Modbus TCP-IP (Gateway function) Active Energy in Class C under EN50470-3:2022