



iMeter 310

The Intelligent Energy Meter



Distributed by:
PT. ELECTRA INTI PERKASA
Jl. Raya Centex No. 76
Ciracas - Jakarta Timur
Tel: (021) 8710660

Three Phase Multifunction Energy Meter

- Four Quadrant Active and Reactive Energy Measurement
- Instantaneous Current, Voltage, Power, Power Factor, etc. Measurements
- Neutral Current and Maximum Demand Measurements
- Time of Use Measurements & Programmable Load Profile
- Enhanced Anti Tampering Design
- Remote Firmware Upgrade

**GENERAL**

Voltage	:	230/400 V
Current	:	5(80) A
Starting Current:		0.1% Ib
Frequency	:	50 Hz
Burden	:	
Voltage Circuit	:	<10VA/phase @ Un (3 Phase)
Current Circuit	:	<0.5 VA/ phase

ACCURACY

Active Energy	:	1
Reactive Energy:		2

DISPLAY

- 7 Segment digitals display : 10x5 mm
- Configurable 8 digits with 6+2 or 5+3
- Display Mode: Auto and Manual Scroll
- Indicators: Phase break, current reversal, communication, battery failure, energy flow direction, relay states and alarm

MEASUREMENT

- 3 Elements 4 Quadrants
- Import and Export kWh and kVarh
- VARh for four quadrants
- Instantaneous Voltage, Current, Frequency, Power Factor, Power

LOAD PROFILE

- Non-Volatile Memory EEPROM (4 MB)
- Programmable Interval from 1 to 60 minutes
- Up to 32 channels
- TOU for active, reactive and Maximum Demand

SELF DIAGNOSTIC

Internal EEPROM, Flash Memory,
Phase Failure with time stamp and
watchdog

SECURITY

- Multi level security with password protection
- Option for hardware programming
- Sealable push button

TAMPER DETECTION & ALARM

- Time stamp for by pass and reverse current, neutral current measurement
- Option for magnetic tamper detection
- Time stamp for other various events such as open meter cover, open terminal cover, meter reset, power on/off, etc.
- Advance tamper detection & logging
- Configurable alarms trigger LED & Buzzer

BATTERY BACKUP

- Backup time of min. 5 years without main power (lithium battery)
- Super Capacitor for RTC backup

COMMUNICATION

- Optical Probe: IEC 62056021, DLMS COSEM
- RS 232, RS485 Multidrop (RJ 45)
- Option for Zigbee Mesh RF, PLC & GPRS

STANDARD

- IEC 62052-11, IEC 62053-21, IEC 62053-22, IEC 62053-23
- SPLN D3.006-6:2010

MECHANICAL DATA

Operating Temperature	:	-25°C to +70 °C
Dimension (mm)	:	263x176x72 mm
Weight	:	1.5 kg

SOFTWARE

Windows Based Parameter Setting,
Commissioning and Database

