

Energom-94-Q

Intelligent Power Analyzer
Three phase for panel mounting

Description

High-end multifunction power analyzer. higher measurement accuracy, and powerful functions. With its four direct access keys and TFT displays, friendly full text interface helps user operate device more easy.

Max 63th harmonic individual monitor, let user clear grasp of the present electrical grid quality.

Features

- PMD measurement accuracy class 0.2
- Current measuring .../5 or .../1 A
- Clear and large matrix LCD screen
- Universal series power supply (85-265VAC/DC)
- Record and read multi- tariffs ratio, Up to 3 months
- 63th individual harmonic
- A variety of advanced electrical parameters can display the status of the power grid on the spot (Max demand/unbalance/crest factor/K factor...)
- Provide 5 virtual alarm trigger
- Provide max 100 lists SOE record
- 1KHz Waveform Snapshot, capture length 1 second of voltage, current power flicker / drop for event tracing.
- With RS-485 Modbus/RTU Communications
- With 2 channel Pulse Output (PO) for active energy&reactive energy counting
- Optional 3 channel Analog Output (AO)
- Optional 6 channel Digital Input (DI) and 2 channel Digital Output (DO)
- Optional 128MB memory for data logger



Technical characteristics

Current measurement on inputs (TRMS)

CT secondary 1 and 5 A	1 or 5 A
Measurement range	0 ... 11 kA
Input consumption	<0.1 VA

Voltage measurement (TRMS)

Measurement range	18 ... 400 VAC
PT secondary	100VAC/400VAC
Frequency	50 / 60 Hz
Input consumption	<0.1 VA

Electrical power measurement (IEC61557-12)

Accuracy (V,I)	0.20%
Accuracy (P,Q)	0.50%

Frequency measurement

Measurement range	45 ... 65 Hz
Accuracy	±0.02Hz

Energy accuracy

Active energy	Class 0.2s (IEC 62053-22)
Reactive energy	Class 1.0 (IEC 62053-24)

Auxiliary power supply

AC voltage	DC/AC 85~265 ± 10 %
Frequency	50 / 60 Hz
Consumption	< 10 VA

I/O port, configuration as ordering info

Optical outputs (PO)	2* Pulse, 1600imp/kWh
Relay outputs (DO)	2* 5A@250Vac / 5A@30Vdc
Status Inputs (DI)	4* Dry contact
Analog output (AO)	1* 4~20mA, load <390Ω, or 0~10V, load >100KΩ
Isolation	4kVac r.m.s

Communication

Link	RS485 (2/3 wires half duplex)
Protocol	Modbus RTU mode
MODBUS speed	4800/9600bauds