

18 months
Warranty



iM 1000



- ▶ Accuracy Class 1.0 IEC 61036 / CBIP 88 (0.5 Option)
- ▶ True RMS Measurement & Simultaneous Sampling of Volts & Amps.
- ▶ User Programmable Password Protection.
- ▶ Auto Scrolling; Auto-scaling of Kilo, Mega and Giga
- ▶ Low PT, CT Burden.
- ▶ Clearance and Creepage Distance Meets UL Safety Standard.
- ▶ Finger Touch Proof Terminals to Voltage and Current Connections.
- ▶ Communication with PCs, PLCs, DCS Through optional RS 485/RS 232 Serial Interface.
- ▶ Positive Energy accumulation Even with CT Reversal.
- ▶ Parameter Name & Value Displaying Using 7 Seg LEDs.
- ▶ Auto-Scaling of Kilo, Mega, Giga and Decimal Point.
- ▶ Field Programmable Star (Wye) or Delta or Single Phase Configuration.

PARAMETERS

Basic

- ▶ Line to Neutral Voltage (VLN Avg, VR-N, VY-N, VB-N)
- ▶ Line to Line Voltage (VLL Avg, VR-Y, VY-B, VB-R)
- ▶ Line Current (IAvg, IR, IY, IB)

Power

- ▶ Active Power (W Tot, WR, WY, WB, PF Tot, PFr, PFy, PFb)

Energy / Integrated

- ▶ Active Energy (Wh)

Clamp on CT (Optional)

- ▶ Clamp CTs
- ▶ Meter placement/ replacement with out shutting down

Application

- ▶ Ideal for your Substation /Server rack



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TECHNICAL SPECIFICATIONS

Accuracy:

Class 1 (Default) IEC 61036, CBIP 88
(Class 0.5 Optional)

Sensing/Measurement

True RMS, 1 Sec update time.

Input voltage

4 Voltage inputs (VR, VY, VB, VN) -
(Range 80 to 550V LL), Primary
Programmable upto 999 kV.

Burden - 0.2VA Max. per phase.

Input current

Current inputs (AR, AY, AB) 50mA - 6A
(Field configurable 1A or 5A).

Primary Programmable upto 50 kA.
Overload - 10A max continuous, 50A
max for 3 Sec
Burden - 0.2VA Max. per phase.

Aux-Supply

80 - 300V AC, 80-300V AC/DC for
meters with communication, 45-65Hz
Burden - 4VA Max

Display Resolution

1Row, 6Digits, Instantaneous 4 Digits,
Integrated 6 Digits. 10mm height.

CT PT Ratio Max

100 MVA Programmable

Communication

RS485 serial channel connection
Industry standard Modbus RTU protocol.
Baud rate - 1200 bps to 19200 bps.
(Preferred 9600bps)
Isolation - 2000 volts AC isolation
for 1 minute between communication
and other circuits.

Weight (Approx)

Unpacked: 250 gms

OUR OTHER PRODUCTS

- » Cyclic Load Energy Saver
- » Welding Set Energy Saver
- » z-Save - Electricity Energy Saver
- » Cooling Tower Energy Saver
- » AC Energy Saver