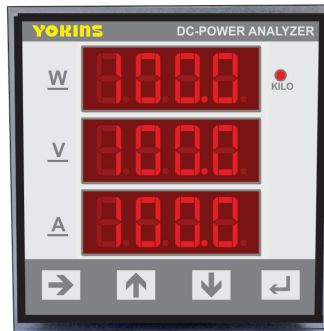


DIGITAL PANEL METER DC METERING

SINGLE CHANNEL DC KWH METER



DC-POWER ANALYZER

FEATURES

- Displays Energy(kWh),Power(kW),Voltage,Current.
- Voltage Full scale programmable.
- Current full scale programmable independently.
- Reverse lock option for not accumulating the reverse current energy. This can be used for the better study of charging and discharging circuit
- Programmable shunt secondary 50mV to 75mV.
- Energy resetting at 999999K* multiplication factor
- 3 rows 4 digit Red seven segment display
- & 6 digit display for kwh
- RS 485 Port (5KV Isolated) (Optional)
- Modbus Rtu Protocol (optional)
- Auto / Manual Scroll Display (User selectable)
- SMPS, TRANSFORMER Power Supply

APPLICATION

- Solar power generation analysis
- Energy Audit
- Battery charging stations & panels
- Power Management

SPECIFICATION

Functions

DC Voltage	: 0– 200VDC (Accuracy :- $\pm 0.5\%$ FS +1 dgt.)
DC Current	: 0.020 - 10.00A DIRECT, : 0-75 mV (VIA SHUNT)(Accuracy :- $\pm 0.5\%$ FS +1 dgt.)
DC Power	: 0.030 - 2.000 KW DIRECT (Accuracy :- $\pm 0.5\%$ ES +1 dgt.)
DC Energy (KWh)	: 000000 - 999999 Kwh (Accuracy Class 1,0,5)
Faceplate /Lens	: Polycarbonate Transparent
Case/Housing Material	: FR-ABS Black
Connectors /Terminal	: Nylon 66, 33%GF,Black/Brass
Mounting Clamps	: Sturdy, Moulded Glass filled nylon with screws.
Decimal Point	: Auto Scrolling
Polarity Indication	: Negative Polarity Indication Available On Demand
Under Range Indication	: Error Code 01 Blinking when Current Non Detectable
Dielectric Strength	: 2.5KV @50 Hz for 1 minute between Input -Auxiliary & Case - Terminals
Impulse Withstand	: 3.5.KV, 1.2/50 micro Second
Refresh Rate	: Per 8.0ms
Maximum Overload	: Voltage : 1.2 Times Continuous Current : 2 Times Continuous
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-90V AC /DC

VA Burden (Typical)

Auxiliary	: <2.5 VA
Voltage Input	: <0.2 VA
Current Input	: <0.2 VA / CHANNEL
Metering Standard	: IEC 62053-21/22
Installation Category	: Cat II (IEC / EN61010 - 1)
Pollution	: Degree 2 (IEC / EN61010 - 1)
Input Current	: 0-20A DIRECT , 0 - 75mV/0-60mV DC (SETTABLE)
Input Voltage	: 0- 750V DC(Direct)
SCALE	: KV RANGE VIA PROGRAMMING POSSIBLE.
SHUNT	: 1A-50kA PROGRAMABLE.

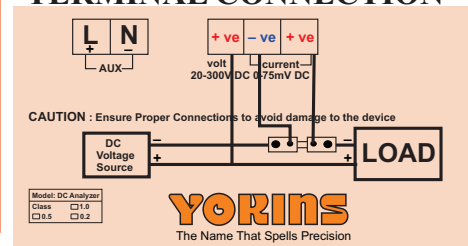
Environment

Calibration	: 27°C \pm 5°C
Operating	: 0° to 50°C, RH <70%
Storage	: -10° to 60°C, RH < 70%
Dielectric Strength	: 2.5 KV at 50 Hz for 1 mm
Insulation Resistance	: > 20 MOhms at 500 V DC

DIMENSIONS (MM)

MODEL	PENTA DC113
FRONT	96 X 96
DEPTH (Behind Bezel)	71.8
Panel Cut -Out	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)

TERMINAL CONNECTION



*WHILE ORDERING PLEASE MENTION RANGE, CLASS & AUX SUPPLY & FOR BULK CUSTOMIZED INQUIRES PLEASE CONTACT SALES.