

DIGITAL PANEL METER ENERGY METER/ INTEGRATED METER

DUAL SOURCE ENERGY CUM MULTIFUNCTION METER



YI-535



YI-537

FEATURES

- 2 Rows of 6 Digit RED Seven Segment
- Displays Active Energy(kWh) or apparent energy(kVAh) [USER SETTABLE] FOR BOTH EB & DG SIMULTANIOUSLY.
- Active & Apparent energy - Energy accumulation /integration, reverse lock, saved in external flash
- Old energy register back-up for re-start energy reading.
- Auto / Manual Scroll Display (User selectable)
- Load hour for secondary source(DG) are displayed.
- Smart voltage sensing(AC & DC)of secondary source.
- User Programmable CT Ratio,PT RATIO
- TRMS Measurement
- 3 Phase 3 element 4 wire system (YI-537),
- 1 Phase 2 wire 1 element(YI-535) .
- RS 485 Port (5KV Isolated) (Optional)
- MODBUS RTU Protocol (Optional)
- Single Relay Output for alarm can be provided.(optional)

SPECIFICATION

Functions

RMS Voltage	: 20 - 600Vrms (Accuracy :- $\pm 0.5\%$ FS +1 dgt.)
RMS Current	: 0.020 - 10.00Arms (Accuracy :- $\pm 0.5\%$ FS +1 dgt.)
Active Power	: 0.030 - 6.000 KW (Accuracy :- $\pm 0.5\%$ ES +1 dgt.)
Power Factor	: 0.3 Lag - 1.0 - 0.3 Lead (Accuracy :- ± 0.01 PE +1 dgt.)
Line Frequency	: 45.00 - 65.00 Hz (Accuracy :- ± 0.1 Hz)
Active Energy (KWh)	: 000000.00 - 999999.99 Kwh (Accuracy Class 1,0.5)
Apparent Energy (KVAh)	: 000000.00 - 999999.99 KVAh (Accuracy Class 1,0.5)
DG HOUR	: HHHH.MM FORMAT (ACCURACY +-1 MIN)
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	: L(Lagging/Inductive) or C (Leading/Capacitive)
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, 19-60V AC /DC

DG SENSING VOLTAGE : 24V-270V AC/DC

VA Burden (Typical)

Auxiliary : <2.5 VA
Voltage Input : <0.2 VA / Phase
Current Input : <0.2 VA / Phase

PT Primary Range : 50 to 500kV AC Programmable

PT Secondary Range : 50 to 500V AC Programmable

CT Primary Range : 1A to 50kA AC Programmable

CT Secondary Range : 0.5A to 5A AC Programmable

Metering Standard : IEC 62053-21/22

Installation Category : Cat II (IEC / EN61010 - 1)

Pollution : Degree 2 (IEC / EN61010 - 1)

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

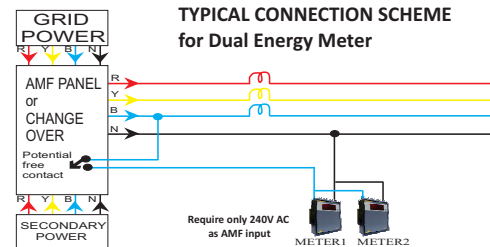
Insulation Resistance : > 20 MOhms at 500 V DC

DIMENSIONS (MM)

MODEL	YI-535/537
FRONT	96 X 96
DEPTH (Behind Bezel)	52
Panel Cut -Out	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)

ORDERING INFORMATION

MODEL	PARAMETERS DISPLAYED	ACCURACY CLASS	AUX SUPPLY
YI-535 DUAL SOURCE SINGLE PHASE	Voltage(Line to Neutral) Current Frequency (Class 0.2) Power Factor(Class 0.5) Active Power(W)	Active Energy(kWh) Apparent Energy (kVAh) DG Load Hours OLD ENERGY	1.0 0.5 45-270V AC /DC 19-60V AC /DC 150-300V AC
YI-537 DUAL SOURCE THREE PHASE	Voltage(Line to Line) Voltage(Line to Neutral) Current Frequency (Class 0.2) Power Factor(Class 0.5)	Active Power(W) Active Energy(kWh) Apparent Energy (kVAh) Load Hours DG LOAD HOUR	1.0 0.5 45-270V AC /DC 19-60V AC /DC



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