

# DIGITAL PANEL METER ENERGY METER/ INTEGRATED METER

## ENERGY CUM MULTIFUNCTION METER

### FEATURES

- 1 Rows of 6 Digit RED Seven Segment
- Displays Active Energy(kWh) or apparent energy(kVAh) [USER SETTABLE].
- 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)
- User Programmable CT Ratio,PT RATIO
- TRMS Measurement
- 3 Phase 3 element 4 wire system (YI-534),
- 1 Phase 2 wire 1 element(YI-532) .
- RS 485 Port (5KV Isolated( (Optional)
- MODBUS RTU Protocol (Optional)
- Single Relay Output for alarm can be provided.(optional)



YI-532



YI-534

### SPECIFICATION

#### Functions

RMS Voltage	: 20 - 600Vrms (Accuracy :- ± 0.5% FS +1 dgt.)
RMS Current	: 0.020 - 10.00Arms (Accuracy :- ± 0.5% FS +1 dgt.)
Active Power	: 0.030 - 6.000 KW (Accuracy :- ± 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 :- ±0.1Hz)
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)
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

#### 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 ± 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

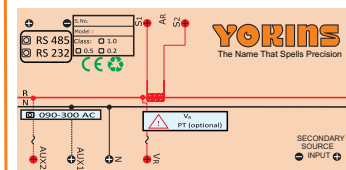
### DIMENSIONS (MM)

MODEL	YI-532/534
FRONT	96 X 96
DEPTH (Behind Bezel)	52
Panel Cut -Out	92 <sup>(+0.8-0.0)</sup> X 92 <sup>(+0.8-0.0)</sup>

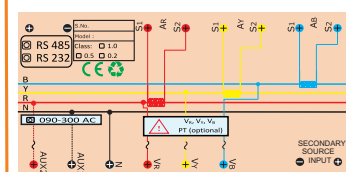
### ORDERING INFORMATION

MODEL	PARAMETERS DISPLAYED	ACCURACY CLASS	AUX SUPPLY
YI-532 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) Load Hours 0.5	45-270V AC /DC 19-60V AC /DC 150-300V AC
YI-534 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 0.5	45-270V AC /DC 19-60V AC /DC

### TERMINAL CONNECTION



YI-532



YI-534

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