

DIGITAL PANEL METER MULTI-FUNCTION METER / LOAD MANAGER/ POWER ANALYZERS

SINGLE PHASE MULTIFUNCTION METER



YI-524

FEATURES

- 10 Parameters on 7 Display Pages
- Measures V, A, PF, Hz, KW, KVA, KVAh & KVArh
- Auto / Manual Scroll Display (User selectable)
- SMPS, TRANSFORMER Power Supply
- Ideal for Testing of Electrical Appliances
- User Programmable CT Ratio
- TRMS Measurement
- 3 Rows of 4 Digit RED Seven Segment
- RS 485 Port (5KV Isolated) (Optional)
- MODBUS RTU Protocol (Optional)

APPLICATION

- Home Appliance Testing
- Energy Audit
- QC
- Studying Energy Efficiency of Electrical Equipement
- Building Management - Systems
- Power Management
- Generator/Motor Characteristics
- Plant - Maintenance

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.)
Apparent Power	: 0.030 - 6.000 KVA (Accuracy :- $\pm 0.5\%$ ES +1 dgt.)
Reactive Power	: 0.030 - 6.000 KVAh (Accuracy :- $\pm 1.0\%$ 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)
Reactive Energy (KVArh)	: 000000.00 - 999999.99 KVArh (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

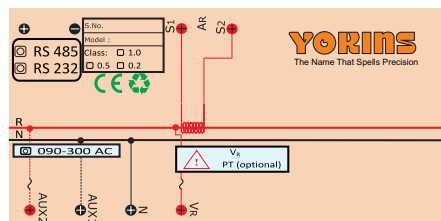
Refresh Rate	: 3 Samples/Second
Maximum Overload	: Voltage 1.2 Times Continuous Current 2 Times Continuous
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-60V AC /DC
VA Burden (Typical)	
Auxiliary	: <2.5 VA
Voltage Input	: <0.2 VA / Phase
Current Input	: <0.2 VA / Phase

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	: $27^{\circ}\text{C} \pm 5^{\circ}\text{C}$
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-524
FRONT	96 X 96
DEPTH (Behind Bezel)	52
Panel Cut -Out	$92^{(+0.8-0.0)} \times 92^{(+0.8-0.0)}$

TERMINAL CONNECTION



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