

DIGITAL PANEL METER BASIC SERIES

AC WATT & KILOWATT METER (Single Phase/Three Phase)



Y9-WATT



Y9-WATT



Y9-KW

FEATURES

- Displays active energy consumption of a system(1ph or 3ph).
- Low Wattage Measurement in Single Phase Model, MW Measurement in Three Phase Model Available
- Password Protected.
- **True RMS** measurement of parameters.
- Auto/Manual scrolling of parameters
- Easy Programming with push buttons on front facia.
- RS-485 option available on demand.
- Relay Output for alarm can be provided.(optional)

SPECIFICATION

Measuring Method	: Cosine of Phase Shift Between Voltage & Current
Display	: 4 Digit Red LED Super Bright Display
Digit Height	: 0.56"/14.2.mm
Maximum display	: 9999(Max.) Counts
Resolution	: 0.001 to 1 Count Depending on Range/ Scale Display
Display Stability	: With in ± 1 Digit
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
Frequency Response	: 40-65 Hz
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-60V AC /DC
Input Voltage	: 0- 600V AC(Direct)
Input Current	: 0.020- 10A AC(Direct)
CT Primary Range	: 1A to 50kA AC Programmable
CT Secondary Range	: 0.5A to 5A AC Programmable
PT Primary Range	: 50 to 500kV AC Programmable in Y9-KW
PT Secondary Range	: 50 to 500V AC Programmable in Y9-KW
Accuracy Class	: 0.5
VA (Burden)	
Auxiliary	: ≤ 1.5 VA
Voltage Input	: ≤ 1.0 VA
Current Input	: ≤ 1.0 VA
Environment	
Calibration	: $27^{\circ} \text{C} \pm 5^{\circ} \text{C}$
Operating	: 0° to $+60^{\circ} \text{C}$, RH<70%
Storage	: -10° to $+70^{\circ} \text{C}$, RH<70%
Metering Standard	: IEC62052-11

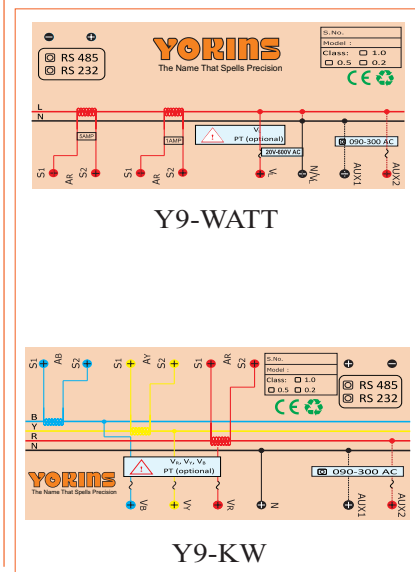
DIMENSIONS (MM)

MODEL	Y9-WATT	Y9-WATT-15A	Y9-KW
FRONT	96 X 96	96 X 96	96 X 96
DEPTH (Behind Bezel)	39.5	52	52
Panel Cut -Out	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)

ORDERING INFORMATION

MODEL	MEASURING RANGE	ACCURACY CLASS	AUX SUPPLY
Y9-WATT (Single Phase)	(Voltage Input=) 20- 600V AC(Direct) (Current Input=) 0.080- 5A AC(Direct) or 0.020- 1A AC(Direct)	0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC
Y9-WATT-15A (Single Phase)	(Voltage Input=) 20- 300V AC(Direct) (Current Input=) 0.1- 15A AC(Direct)	1.0	220V AC 80-300V AC /DC
Y9-KW (Three Phase)	(Voltage Input=) 20-600V (Line to Neutral) 30-1000 (Line to Line) (Current Input=) 0.020A-10A AC 0.1A-30A Direct AC Per Phase	0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC

TERMINAL CONNECTION



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