OPERATING MANUAL
1 PHASE ENERGY METER
WM-11

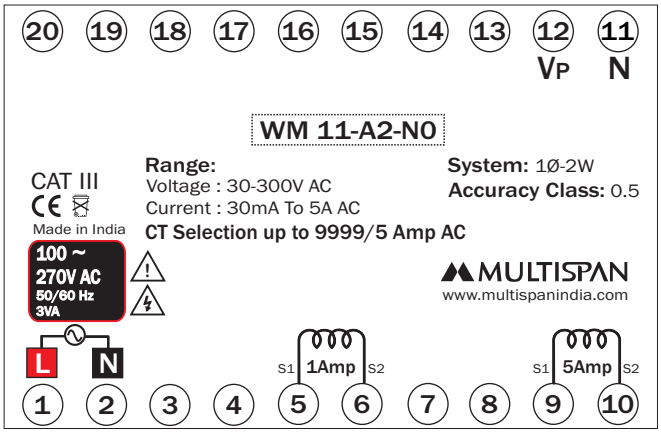
MULTISPAN

CE

Technical Specification

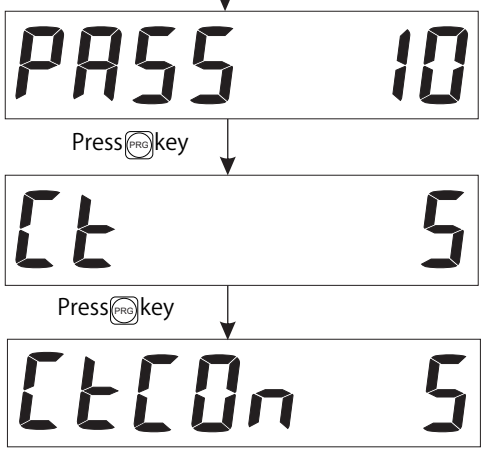
Model	WM-11
Display	8 digit, 7 segment, 0.5” Red display
Size (mm)	96(H) X 96 (W) X 43 (D) mm
Panel Cutout	92 X 92 mm
Voltage Input	30 To 300V AC VLN CAT III
Current Input	30mA To 5 Amp or higher through external CT
Active Power (KW)	0.000 Watt To 9999 KW
Power Supply	100 To 270V AC,50/60Hz,Approx 4VA
Frequency	45 To 65 Hz
Wiring System	1Ph-2W
Protection Level (As Per Request)	IP-65 (Front side) As per IS/IEC 60529 : 2001
Operating Temperature	0°C To 50°C
Relative Humidity	Up to 95% RH Non Condensing

Connection Diagram



PARAMETER SETTING:

Press (PRG) key For 5 Sec



(CT Password)
(10) Change by (W) & (VAF) Key

(CT Ratio)
(5 to 9999Amp Selectable)
Change by (W) & (VAF) Key

Connection 5 Amp & 1 Amp

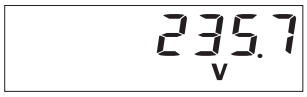
Press (PRG) key save & exit

PAGE :

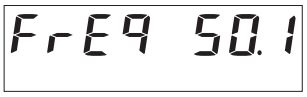
1) KW

3) Current

2) VOLTAGE



4) Frequency



FUNCTION	PRESS KEY
OPERATOR MODE	
To view VAF Pages	VAF
To view Power	W
PARAMETER SETTING MODE	
To Set Parameter Value	Press PRG For 5 Sec
To Increment parameter value	W
To Decrement parameter value	VAF
To Exit from parameter setting	PRG

APPLICATION:

- Energy Management System
- Control Panels
- Genertor Set
- Power Distribution boards
- Building Management System
- Quality Control System
- Motor Control Panel
- Energy Audit

Warning Guidelines

1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.

2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.

3) Cable used for connection to power source, must have a cross section of 1mm^2 or greater. These wires should have insulations capacity made of at least 1.5kV.

4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Warning Guidelines

1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.

2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.

3) Cable used for connection to power source, must have a cross section of 1mm^2 or greater. These wires should have insulations capacity made of at least 1.5kV.

4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Installation Guidelines

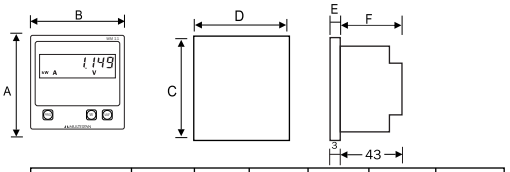
1) This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.

2) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.

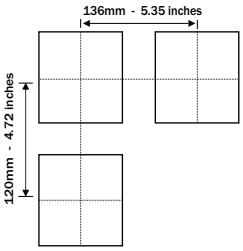
3) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.

4) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

Mechanical Installation



MODEL	A	B	C	D	E	F
DIMENSIONS	96mm	96mm	92mm	92mm	3mm	43mm



1) Prepare the panel cutout with proper dimensions as show above.
2) Fit the unit into the panel with the help of clamp given.
3) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process by products.
4) Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
5) Do not connect anything to unused terminals.

Maintenance

1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3) Fusible resistor must not be replaced by operator.

Product improvement and upgrade is a constant procedure. So for more updated operating information and Support, Please contact our Helpline: +91-9081078683/81 or Email at service@multispanindia.com Ver:2106

NOTE :-