



DATA SHEET PHOTO-VOLTAIC METER & ENCLOSURE

Catalogue Reference :- NHSPMTRD

Performance Criteria

Operating Humidity	≤ 75%
Storage Humidity	≤ 95%
Operating Temperature	-10°C to +50°C
Storage Temperature	-30°C to +70°C
International Standard	EN 50470-3
Accuracy Class	1
IP Rating	IP51
Insulating Encased Meter Protective Class	II

Specifications

Dimensions

Meter Type	PRO1 Series	Height	117.5mm
Nominal Voltage	230V AC	Width	18mm
Operating Voltage	161 – 300V AC	Depth	58.5
Insulation Capabilities:		Weight	0.12Kg (net)
AC Voltage Withstand	2kV for 1 Minute	Material	
Impulse Voltage Withstand	6kV – 1.2μs waveform		
Basic Current	5A		
Maximum Rated Current (Imax)	45A	Register	PC Inflammable Plastic
Max Current for Direct Wire Connection	32A	Case	ABS Inflammable Plastic
Max Current for Busbar Connection	45A	Terminal Block	ABS Inflammable Plastic
Operational Current Range	0.4% Ib – Imax	Protective Cover	ABS Inflammable Plastic
Peak Current Withstand	30Imax for 0.01s		
Operational Frequency Range	50Hz ±10%		
Internal Power Consumption	≤ 2W / 10VA		
Test Output Flash Rate (RED LED)	1000 or 2000 imp/kWh		
Pulse Output Rate (Pins 20 & 21)	1000 or 2000 imp/kWh		
Consumption Indicator (RED LED)	Flashing at Load Running		

Enclosure

Dimensions

Material	Polycarbonate		
IP Rating	IP 40	Height	153mm
Colour	Grey	Width	60mm
Device fixing Type	Moulded din rail on base	Depth	60mm
Cable Entry	1 on Top (20mm) 1 on Bottom (20mm)		
Front Cover	One part Type		
Lockable	No		
Modules	2 Way		