

# DIGITAL PANEL METERS

## BASIC SERIES

### AC AMMETER (Single Phase / Three Phase)



PENTA 1A/3A



NANO 1A/3A



HEXA 1A/3A



PENTA 3A3



#### FEATURES

- Displays Current - Phase wise and Average
- Password Protected.
- True RMS measurement of parameters.
- Auto scaling of parameter values.
- 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

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 $\pm 1$ 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
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	: Current 2 Times Continuous

Frequency Response	: 40-400 Hz
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-60V AC /DC
Input Current	: 0.020A - 10A AC(Direct) in Standard Product
CT Primary Range	: 1A to 50kA AC Programmable
CT Secondary Range	: 0.5A to 5A AC Programmable
Accuracy Class	: 1 & 0.5
VA (Burden)	
Auxiliary	: $\leq 1.5$ VA
Voltage Input	: $\leq 1.0$ VA
Environment	
Calibration	: $27^{\circ}$ C $\pm 5^{\circ}$ C
Operating	: $0^{\circ}$ to $+60^{\circ}$ C, RH<70%
Storage	: $-10^{\circ}$ to $+70^{\circ}$ C, RH<70%
Metering Standard	: IEC62052-11

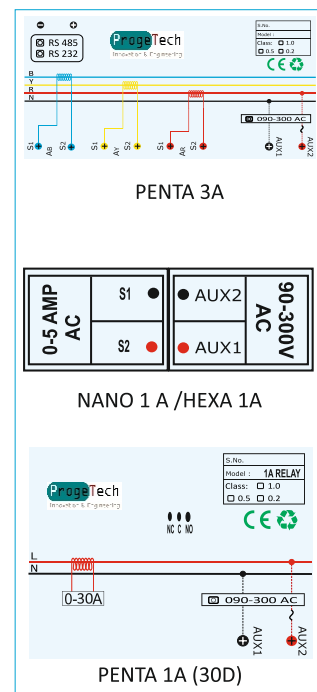
#### DIMENSIONS (MM)

MODEL	PENTA 1A/3A	NANO 1A/3A	HEXA 1A/3A	PENTA 3A3
FRONT	96 X 96	72 X 72	48 X 96	96 X 96
DEPTH (Behind Bezel)	39.5	59	74	52
Panel Cut -Out	$92^{(+0.8-0.0)} \times 92^{(+0.8-0.0)}$	68 X 68	$44^{(+0.5-0.0)} \times 92^{(+0.8-0.0)}$	$92^{(+0.8-0.0)} \times 92^{(+0.8-0.0)}$

#### ORDERING INFORMATION

MODEL	MEASURING RANGE	ACCURACY CLASS	AUX SUPPLY
PENTA 1A	10-350micro A AC 0.2-20Milli A AC 10-750Milli A AC	0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC
	0.020A-10A AC 0.1A-30A Direct AC	1.0 0.5	
NANO 1 A	0.2-20Milli A AC 10-750Milli A AC	0.5	150-300V AC (TX Supply) 45-270V AC /DC 19-60V AC /DC
	0.020A-10A AC 0.1A-30A Direct AC	1.0 0.5	
HEXA 1A	0.1A-30A Direct AC	0.5	45-270V AC /DC
PENTA 3A	0.020A-10A AC	1.0	150-300V AC (TX Supply)
NANO 3A	0.1A-30A Direct AC	0.5	45-270V AC /DC
PENTA 3A3	Per Phase		19-60V AC /DC

#### TERMINAL CONNECTION



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

