DIGITAL VAF METER

NIPPEN®
Reliable Performance

FEATURES

- True RMS measurements and perfect linear response
- 1 Row of 7 segment 10mm, 6digit high flicker free bright LED display
- On site, programmable CT/PT Ratio/Password/Meter ID
- Compact 54mm depth
- Display of RPM
- On site selection of Auto Scroll/Manual Scroll/Fixed Screen
- Wide range of Auxiliary supplies
- Easy access to set-up using scroll keys
- Finger proof self-lifting terminals for connection (optional)

TECHNICAL SPECIFICATIONS

- System : 3 Phase/ 4 Wire or 3 Phase/3 Wire or 1 Phase/ 2 Wire
- Input voltage range : 80V-500V AC.
- Input Current range : 5A or 1A
- Auxiliary Supply : 230V or 110V AC ±10% or (optional 12V-48V DC)
- Frequency : 45-65Hz
- Burden : 0.2VA per Phase
  : <3VA max on Auxiliary supply
- Maximum Overload voltage : 1.2 times rated continuous
- Maximum Overload current : 2 times rated continuous
- Dielectric strength : 2 KV for 1 min.
- Relay rating : 5A/250V AC

MECHANICAL DIMENSIONS

Front	48 x 96mm (Depth 45 mm)
Panel Cut out	42 x 90mm for 48x96mm size meter
Casing	Flame retardant ABS
Connectors	Terminal block ABS
Protection	IP 52 front IP 20 Terminal block

OPTIONAL FEATURES

- RS 485 serial output port with standard MODBUS RTU protocol
- Relay output

MEASUREMENT

- Voltage: L-L Phase, L-N Line & Average
- Current: 3 Phase & Average
- Frequency: System Frequency
- RPM
- Number of interruptions

ENVIRONMENT

- Ambient temperature :-10° C to 55° C
- Storage temperature :-10° C to 70° C
- Relative Humidity :<95%, Non-condensing

APPLICATIONS

- Generating sets
- Power distribution / Control panels
- Testing for Quality conformance
- Switchboards / Process control.
- SCADA & Building Management Systems (BMS)

RELEVANT STANDARD

EMC	IEC 61326
Immunity	IEC 61000-4-3
Safety	IEC 61010-1-2001

FEATURES	PARAMETERS	DT-36				
Line to Neutral (VLN)	VLN Average, V(L1-N,L2-N,L3-N)	●				
Line to Line (VLL)	VLL Average, V(L1-L2,L2-L3,L1-L3)	●				
Line Current (ILN)	I Average, I(L1,L2,L3)	●				
Frequency, RPM (Generator application)	HZ, RPM	●				
Number of times aux.supply ON,OFF	Number of interruptions	●				
Optional 1 field Relay Programmable	A, VLN,VLL, Hz,kW,PF,kVA					
Optional RS 485 serial port						