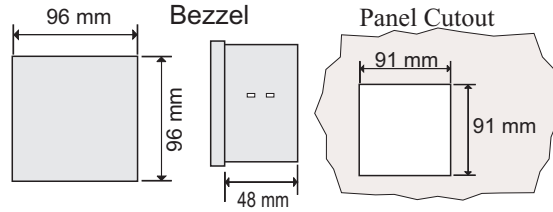


VERITEK

VIF PLUS METER



MECHANICAL DIMENSION



MEASUREMENT PAGES

Page 1: Displays Voltages (L-L) L1-L2, L2-L3 & L3-L1

Page 2: Displays Voltages (L-N) L1-N, L2-N & L3-N

Page 3: Displays Amps L1, L2 & L3

Page 4: Displays Power Factor L1, L2 & L3

Page 5: Displays Watts (KW) L1, L2 & L3

Page 6: Displays Apparent Power (KVA) L1, L2 & L3

Page 7: Displays Average of Amps, Power Factor & Frequency

Page 8: Displays Watts (KW) Total

Page 9: Displays Apparent Power Total (KVA)

Page 10: Displays RPM (Generator application)

Page 11: Displays Load Hour (t.hh hhh h.mm) example:t.366377.36

FEATURES

- ** State of Art Microcontroller Based Design
- ** Site Programmable CT ratio (Primary & Secondary)
- ** Site Programmable PT ratio (Primary & Secondary)
- ** True RMS measurement
- ** Password Protection
- ** LOAD Hour
- ** RPM (Generator Application)
- ** Auto Ranging
- ** Universal Aux. Supply
- ** Auto / Manual Scroll

PARAMETERS

- ✓ Volts : R Y (Phase - Phase)
YB (Phase - Phase)
BR (Phase - Phase)
RN (Phase - Neutral)
YN (Phase - Neutral)
BN (Phase - Neutral)
- ✓ Amps : R Phase
Y Phase
B Phase
Average
- ✓ Power Factor : R Phase
Y Phase
B Phase
System
- ✓ Active Power : R Phase (KW)
Y Phase
B Phase
Total
- ✓ Reactive Power: R Phase (KVA)
Y Phase
B Phase
Total
- ✓ Frequency : System
- ✓ Load Hour
- ✓ RPM

PROGRAMMING

- 1) Press **P** & **↻** keys together to enter Program Mode.
- 2) The Meter Shows Password Entry Page {PAS 0000}. Enter the Password using **P** Key, the Digit will shift rightwards Automatically every 5 seconds. After entering press **↻** key, if the password is correct, the unit will enter the program mode.
- 3) Now the meter shows CT primary {CTP}. Use **↻** key to enter this menu or Press **P** key to go to the next menu. After entering menu the Digits (which is flashing) can be edited by using **P** key. The display Automatically shifts from one digit to another after short period. After entering CT primary press **↻** Key to save & exit from this menu. Now this display shows CTP.
- Using **P** Key the other menus such as CT secondary {CtS}, PT primary {PtP}, PT secondary {PtS} and New password {nPAS} can be selected. After selecting particular menu press **↻** key to enter inside the menu & edit by repeating the above steps.
- 4) After setting the desired parameters leave the meter for 8 Sec. to come out out of the program mode.
- 5) During normal meter operation press the **↻** key for few seconds to change from Auto / Manual scrolling mode.



SPECIFICATIONS

- Input : 3 phase 4 wire
Volts : Range 10 - 500V AC
Amps : 0.05 - 6.0 Amps
Freq : Through R phase (Internally)
- Burden : 0.2 VA max. per input for Voltage & Current Signals
3 VA max. on Aux. Supply
- Aux. Supply : 90 - 270 VAC / DC
- Display : 3 Line x 3 Digit
{0.56 Inches 7 Segment LED Display}
- Accuracy : Class 1.0 for Volt / Ammeter/ KW/KVA
For Hz : 0.1 % of full scale
For PF : +/- 2 electrical degrees
- Resolution : 0.1 for Frequency Meter
(Auto Ranging for other parameters)
- Computation : True RMS
Frequency : 45 Hz - 55 Hz.
Ambient : 0 - 50C
Humidity : < 95 % Non-condensing
Weight : 280gms
Dimensions : 96 X 96 X 48 mm (L x W x D)
Panel Cutout : (90^{+1.0}mm X (90^{+1.0}mm
Mounting : Flush Mounting with side clamps.

Electrical Wiring / Connection Diagram

