VERITEK

Multifunction Meter
VIF PLUS Meter

1 PHASE VIF METER
VIPS 83P1 (96x96)

3 PHASE VIF METER
VIPS 83P (96x96)

TEST CERTIFICATE

Type : **1 PHASE VIF METER**
3 PHASE VIF METER

Accuracy : Class 1.0 for V & A; 0.1% of FS for Hz

Accuracy Test :
1Ø VIF Meter & 3Ø VIF Meter

VOLTAGE		CURRENT		FREQUENCY
10%	100%	10%	100%	100%
+/-1.0%	+/-1.0%	+/-1.0%	+/-1.0%	+/-0.1%
OK	OK	OK	OK	OK

Power Factor		Watts		kVA
10%	100%	10%	100%	100%
+/-2.0°	+/-2.0°	+/-1.0%	+/-1.0%	+/-1.0%
OK	OK	OK	OK	OK

Note :

A) For Digital Readouts the error is Computed in Counts.

- Class 1.0 = ± 1% of Full Scale ± 1 Count
- Class 0.5 = ± 0.5% of Full Scale ± 1 Count

Tested By : Mr. Sumit

Date :

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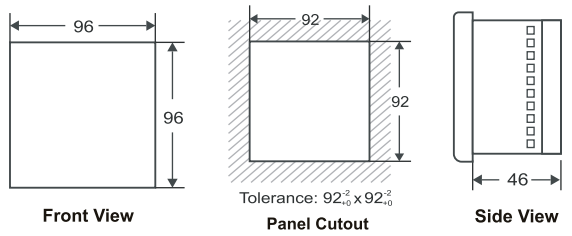
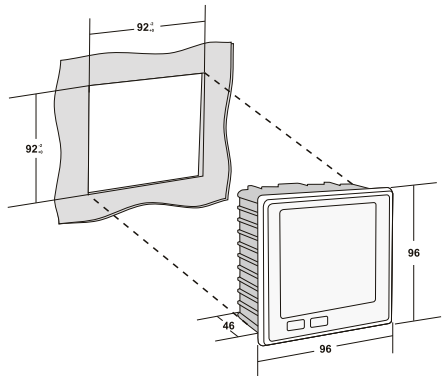
MECHANICAL DIMENSION

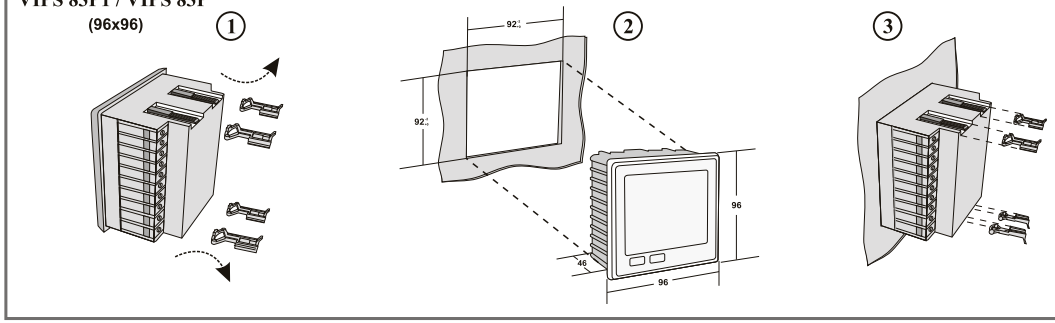
VIPS 83P1 / VIPS 83P (96x96)





MOUNTING ARRANGEMENT

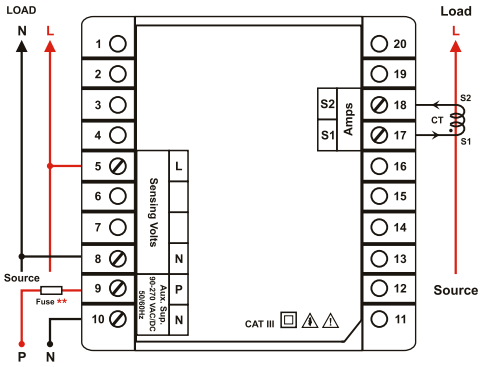
VIPS 83P1 / VIPS 83P
(96x96)



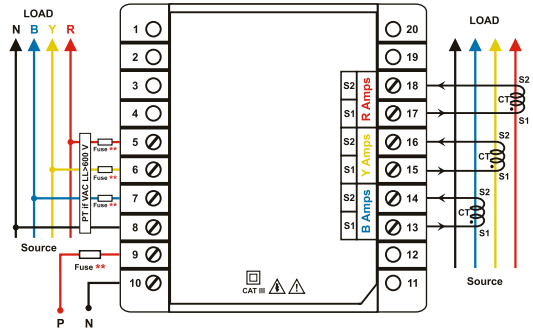
1) Remove the mounting clamps 2) Gently slide the Meter through the cut-out 3) Put the mounting clamps back in the Meter

CONNECTION DETAILS

Electrical Wiring / Connection Diagram
1 Phase VIF Meter (96x96) - VIPS 83P1



Electrical Wiring / Connection Diagram
3 Phase VIF Meter (96x96) - VIPS 83P



** Connect Fuse = 0.25 A

SPECIFICATION

Input	: 1Ø VIF Meter - 1 Phase 2 Wire Range 10-300 VAC : 3Ø VIF Meter - 3 Phase 4 Wire 1 Phase 2 Wire Range 10-500 VAC
Amps	: 0.05 to 6.00 Ampere AC Direct 60 ampere optional
Burden	: 3VA Max. for Aux. Supply, 0.2VA for Voltage & Current input
Aux. Supply	: 90 - 270 VAC / DC, 50/60 Hz
Display	: 3 Line x 3 Digit { 0.56 Inches 7 Segment LED Display }
Accuracy	: Class 1.0 for Volt / Ammeter / KW / kVA ± 0.1% for Hz ± 2 Electrical Degrees for PF
Resolution	: 0.1 for Frequency Meter, auto ranging for other parameter.
Computation	: True RMS
Frequency	: 45 Hz - 65 Hz
Ambient	: -10 to 55°C
Storage	: -20 to 75°C
Humidity	: < 95% Non-Condensing
Weight	: 280 gms
Dimesions	: 96 x 96 x 46 mm (L x W x D)
Panel Cutout	: (92 x 92)mm
Mounting	: Flush Mounting with Side Clamps.
Protection degree	: IP20 (Terminals) IP54 (Front of housing)

FEATURES

(1) State of Art Micro controller Based Design
(2) Site Programmable PT ratio (Primary & Secondary)
(3) Site Programmable CT ratio (Primary & Secondary)
(4) True RMS Measurement
(5) Password Protection
(6) Load Hour
(7) RPM (Generator Application)
(8) Auto Ranging
(9) Universal Aux. Supply
(10) Auto / Manual Scroll

MEASUREMENT PAGES

3 Phase VIF Meter (VIPS 83P):

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

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

Page 3 : Display Amps
L1, L2 & L3

Page 4 : Display Power Factor
L1, L2 & L3

Page 5 : Display Watts (kW)
L1, L2 & L3

Page 6 : Display Apparent Power
L1, L2 & L3

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

Page 8 : Display Watts (kW) Total

Page 9 : Displays Apparent Power Total (kVA)

Page 10 : Displays RPM (Generator Application)

Page 11 : Display Load Hour
{t.hh hhh h.mm}
e.g. : t.366377.36

1 Phase VIF Meter (VIPS 83P1):

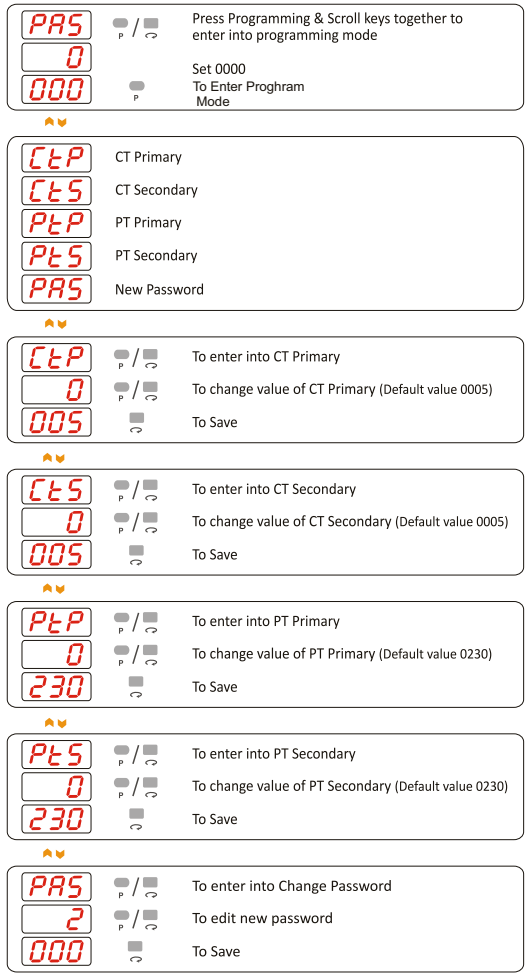
Page 1 : Display Voltage (L - N)
Amps, Hz

Page 2 : Display PF, Watts, VA

Page 3 : Display RPM
(Generator Application)

Page 4 : Display Load Hour
{t.hh hhh h.mm}
e.g. : t.366377.36

PROGRAMMING



PARAMETERS

1Ø VIF Meter - VIPS 83P1
V L-N, Ampere, Hz, PF, Active power, Apparent power, Run Hour, RPM

3Ø VIF Meter - VIPS 83P
V L-L Phase wise, V L-N Phase wise, Ampere, Hz, PF Phase wise, Active power phase wise, Apparent power phase wise, Run Hour, RPM

⚠ SAFETY PRECAUTIONS :

All safety related conditions, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

If there is physical damage to the unit then do not use it.

Read complete instruction prior to installation and operation of the unit.

WIRING GUIDELINES :

⚠ Warning

1) To Prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.

2) Wiring shall be done strictly according to the terminal layout with shortest connection. Confirm that all connection are correct.

⚠ CAUTION :

1) To ensure the safe operation of unit, check the wiring and connections.

The Document are subject to change without Notification