

VIF PLUS METER



1 PHASE VIF METER
(96x96)



3 PHASE VIF METER
(96x96)

TEST CERTIFICATE

Type : 1 PHASE VIF METER
3 PHASE VIF METER

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

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

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

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

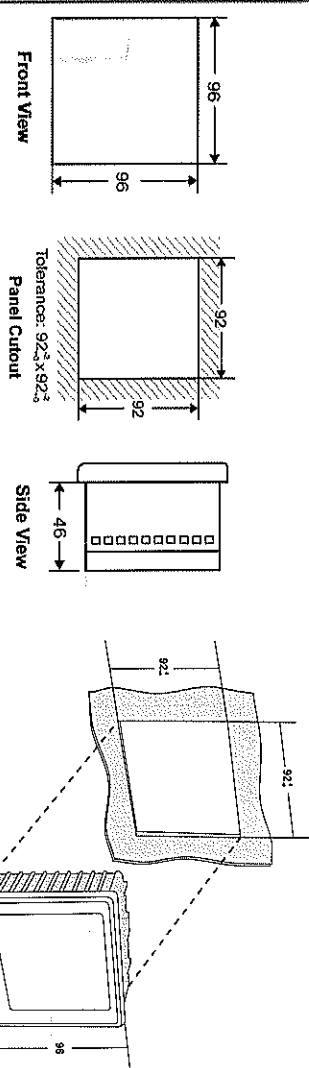
Note :

- A) For Digital Readouts the error is Computed in Counts.
- Class 1.0 = $\pm 1\%$ of Full Scale ± 1 Count
- Class 0.5 = $\pm 0.5\%$ of Full Scale ± 1 Count

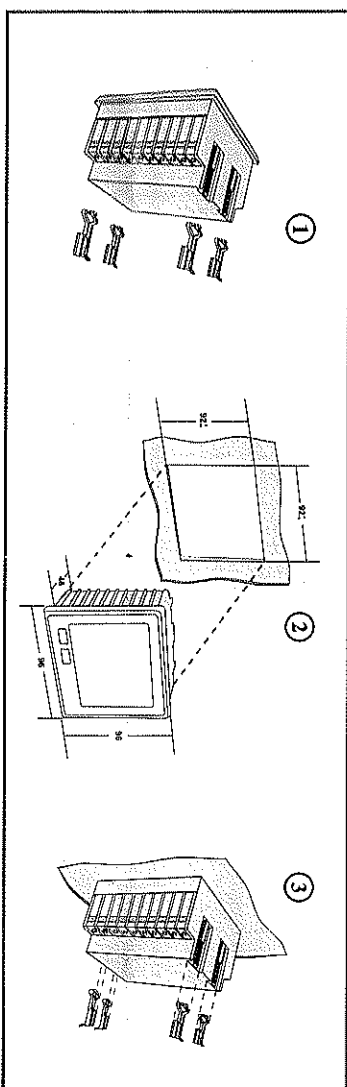
Tested By : Bhagyashri

Date : 22/06/2020

MECHANICAL DIMENSION



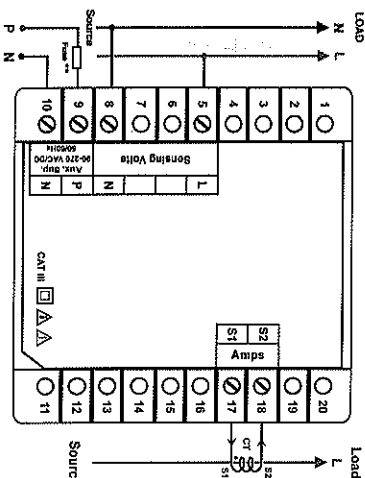
MOUNTING ARRANGEMENT



CONNECTION DETAILS

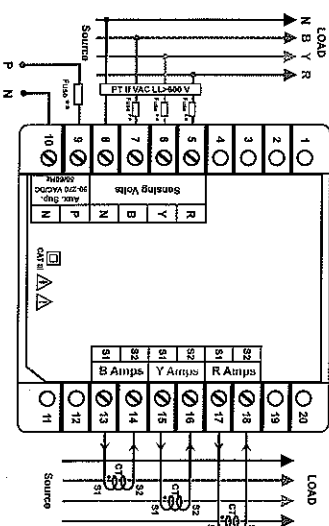
Electrical Wiring / Connection Diagram

1 Phase VIF Meter (96x96)



Electrical Wiring / Connection Diagram

3 Phase VIF Meter (96x96)



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

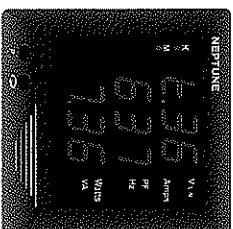
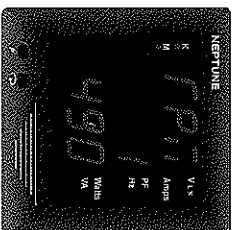
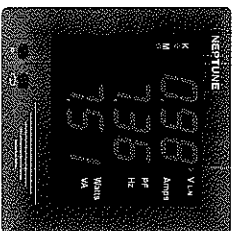
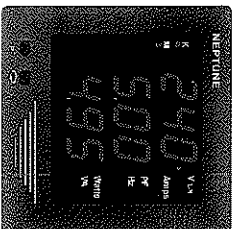
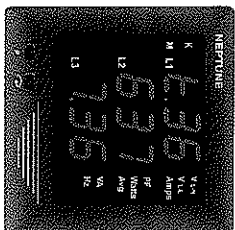
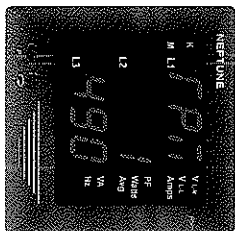
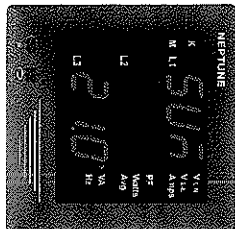
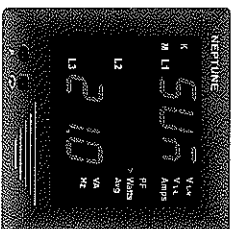
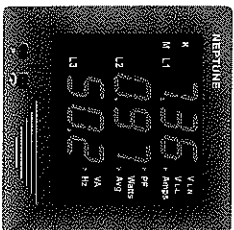
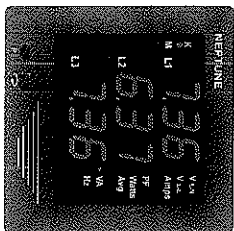
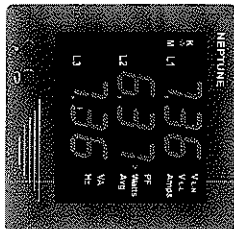
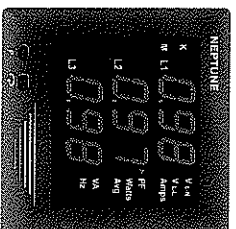
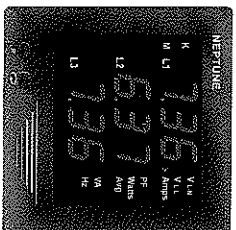
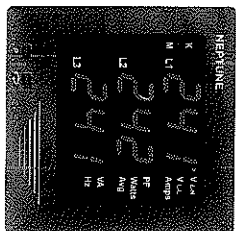
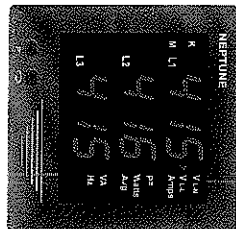
SPECIFICATION

- Input** : 1Ø VIF Meter - 1 Phase 2 Wire
Range 0-300 VAC
3Ø VIF Meter - 3 Phase 4 Wire
1 Phase 2 Wire
Range 0-500 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
 $\pm 0.1\%$ 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
- Dimensions** : 96 x 96 x 46 mm (L x W x D)
- Panel Cutout** : (92.3)mm x (92.3)mm
- Mounting** : Flush Mounting with Side Clamps.

** Connected Fuse = 0.25 A

MEASUREMENT PAGES

3 Phase VIF Meter



PROGRAMMING

PR5	Press Programming & Scroll keys together to enter into programming mode
0	Set 0000
000	To Save

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

CT Primary	CT Primary
CT Secondary	CT Secondary
PT Primary	PT Primary
PT Secondary	PT Secondary
New Password	New Password

PARAMETERS

10 VIF Meter	V-L-N, Ampere, Hz, PF, Active power, Apparent power, Run Hour, RPM
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30 VIF Meter	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
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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.