3 PHASE AMMETER



FEATURES

State of Art Microcontroller Based Design

1 Line 4 Digit ultra bright LED display

Site programmable CT ratio (Primary & Secondary)

True RMS measurement

Password Protection

Harmonics THDI

RS 485 Computer Interface (Optional)

Auto Ranging

Universal Aux. Supply

PARAMETERS



MECHANICAL DIMENSION



Electrical Wiring / Connection Diagram

			0	-/-	-		-//	5				
0	1	3 Phase Ammeter System : 3P4W						20	0			
0	2	Z	Â	.mp .ccu	s: uracy	: Cla	iss 1	.0			19	0
0	3	4			77	_oa	d				18	0
0	4	P	90 - 27	7	R	1	B	N	57	4	17	0
0	5	N	c.sup. 0VAC/DC	6	S2	7			S2	sdu	16	0
0	6	CATI		۲ آ	S1	.// .7/		/2	S 1	R AI	15	0
0	7				R	<u>S2</u> Р _{ст}	7//		S2	sdu	14	0
0	8		\geq		Č	S1	//2 7/		S1	Y Ar	13	0
0	9				47	Ę	S2	-7	-S2	sdu	12	0
0	10	Z			s	خ our	S1	4	S1	B Am	11	0

DISPLAY PAGES

Page	Symbol	PARAMETERS	
1	Α 🔴	Amps , R , Y , B & Average	
2	IŁhd	Harmonics - Amps - THDI Phase wise & Average.	

Manual Scroll Mode :

In this mode the display shows all parameters of the selected page one after another. The parameters of next / previous page can be viewed by pressing or by key.

Auto Scroll Mode :

In this mode the display shows all parameters of page1 one after another , then scroll to page2 and shows all parameters of page 2 one after another and so on.

Display Freeze Mode :

This mode can be activated by pressing key during normal meter operation. When this key is pressed the display will remain

on the parameter it is currently displaying.

In this mode key can be pressed to see the other parameters of this page only, but to scroll to next page parameters first you have to come out of freeze mode. Pressing key once again will bring the meter out of freeze mode.

Note :

3 Parameters : When this option is selected in menu 8 the following parameters will be displayed Page 1 IR IY IB

Page 2 THDR THDY THDB

4 Parameters : When this option is selected in menu 8 the following parameters will be displayed

Page 1IRIYIBI AvgPage 2THDRTHDYTHDBTHDI Avg

1 Parameter : When this option is selected in menu 8 the following parameters will be displayed

Page 1 I Avg Page 2 THDI Avg

SPECIFICATIONS

Input Amps Burdon	: 3 phase 4 wire : 0.015 to 6.00 Amps
Burden	3 VA max. on Aux. Supply
Aux.Supply	: 90 - 270 VAC / DC
Display	: 1 Line x 4 Digit
	{0.56 Inches 7 Segment LED Display}
Computation	: True RMS
Frequency	: 45 Hz - 65 Hz.
Ambient	: -10 to 55℃
Storage	: -20 to 75°C
Humidity	: < 95 % Non-condensing
Weight	: 280gms
Dimensions	: 96 X 96 X 46 mm (L x W x D)
Panel Cutout	: (90 ⁺¹)mm X (90 ⁺¹) mm
Mounting	: Flush Mounting with side clamps.

Measurement range :

Amps Display update Hz Resolution Accuracy	: 0.015 to 6.00 Amps : 1Sec : 45.0 to 65.0HZ : Auto ranging :+0.5% of full scale for current
Accuracy	: <u>+</u> 0.5% of full scale for current

PROGRAMMING

1) Press I key to enter Program Mode. 2) The Meter Shows Password Entry Page { PASS and then 0000}. Enter the Password using Key to increment count & Key to move to the next digit. After entering the password press I key, if the pass word is correct, the unit will enter the program mode. Default factory set password is 2000 3) Following Programming menus are available

Menu	Symbol	Description
1	Rddr	Unit Address for RS485 communication.
2	[EPr	To set CT primary value
3	CFZC	To set CT secondary value
4	∿P85	To set new password
5	ьRUd	To set baud rate
6	PRr	To select parity
7	SErl	To Select Auto / Manual Scroll
8	d, C p	To select the number of display rows
9	USPd	To select next parameter update speed

Select the Menu to be edited using Keys and press Key to enter respective menu.

Menu 1:(Unit Address for RS485 communication) when region Key is pressed the display shows { 001}. The address can be edited usin

100

Keys. After entering desired value prestered key to save value.



