

Unique features:	Specification:
<ol style="list-style-type: none"> <li>4-digit one row 7-segment display.</li> <li>True RMS measurement and perfect linear response.</li> <li>Two switches for onsite setting.</li> <li>CT/PT ratio programmable.</li> <li>Compact size and light weight.</li> <li>ABS dust-proof rugged casing.</li> <li>Touch proof voltage &amp; current terminals.</li> <li>Password protection.</li> </ol>	<p><b>Auxiliary Supply:</b> Universal Auxiliary (80-300V AC)Supply.</p> <p><b>Accuracy:</b> 0.5% (class 0.5) &amp; 1%(Class1)</p> <p><b>Inputs:</b> Voltage (up to 600V) Current secondary (5A).</p> <p><b>Dimension:</b> 96x96x57 mm.</p> <p><b>Panel Cutout:</b> 92<sup>+2</sup>mm x 92<sup>+2</sup>mm.</p> <p><b>Standards:</b> IP-20(Back),IP-65(Front)</p>

## PROGRAMING KEYS DETAIL

Key	In Set (programming)mode	In RUN (Measurement)mode
→RIGHT	To select a value & To accept a value	NO action
↓ DOWN	To edit the value down-ward in edit mode and scroll through the parameters.	To scroll down the page to look at different parameters.

- Use DOWN key to navigate through the parameters.

## ENTERING CONFIGURATION (SETUP) MODE

Follow the steps mentioned below to configure the setup parameters through front panel keys.

Steps	Actions	Display Reads	Comments
1	Press DOWN keys first then RIGHT key together for 5 sec, to ENTER programming mode	0000 With first digit "0" blinking.	
2	Press DOWN Key till the first digit reads "1"	PASSWORD = 1000 (default/factory set).	Default is 1000
3	Press the RIGHT Key to shift the blink digit to right (4 times)	Display "E n - 4":if password correct ----- Display "E n - n" if password wrong	if password correct: you can edit saved parameter. ----- if password wrong: you can only see saved parameter.
4	Press DOWN key	Displays P <sub>t</sub> .P <sub>r</sub> or P <sub>t</sub> .P <sub>r</sub>	P <sub>t</sub> .P <sub>r</sub> -Pt. primary in case voltmeter C <sub>t</sub> .P <sub>r</sub> -Ct. primary in case ammeter
5	Press RIGHT key	415.0(For voltmeter)/5.000(For ammeter) (Default/factory set ).	Indicate the last set value. Programmable range: 100V-999kV (For PT)/1A-50kA(For CT)
6	Press RIGHT key to edit value	Editable digit blinks.	
7	Press DOWN key to change	Changed digit blinks.	Select required value.
8	Press RIGHT key to move other digit	Changed digit blinks.	At last comes at parameter name
9	Press DOWN key	Display P <sub>t</sub> .5E/C <sub>t</sub> .5E	P <sub>t</sub> .5E- PT secondary in case voltmeter C <sub>t</sub> .5E- Ct. secondary in case ammeter
10	Press RIGHT key to set the PT secondary.	415.0(For voltmeter)/5.000(For ammeter) (default/factory set )	Indicate the last set value. Programmable range: 100V-999kV (For PT) /1A-50kA(For CT)
11	Press DOWN key	Display bAUD	bAUD - Baud rate
12	Press RIGHT key to set the Baud rate	Four digit number blinks at same time	Select value between 9600,4800,2400,192k,
13	Press down key to change Baud rate	Display kilo led glows	Kilo led glows when measurement reaches in kilo range
14	Press DOWN key	Display P <sub>r</sub> ±Y	P <sub>r</sub> ±Y- Parity
15	Press RIGHT key to set the Parity	Default set even	Select parity even, odd, none
16	Press DOWN key	Display dU.i d	dU.i d -Device id
17	Press RIGHT key to set the Device id	Default set 001	
18	Press DOWN key	Displays PASS	PASS-Password
19	Press RIGHT key to change the password	Displays "0000" with first zero blinking	To change press UP/DOWN key and to move to next digit press RIGHT key
20	Press DOWN key	Displays "Y" Blinking to save or Displays "n" to discard	Yes to save the setting otherwise no
21	Press RIGHT key to memorize	Display returns to home page	

	the changed parameters	(measurement mode)	
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1. If Entered password is wrong, in this case user can only see the previously saved parameters and is not authorized to edit any of them.
2. Previously saved parameter can only be changed if user saves the value by pressing RIGHT key while display showing "5RU.9" (9 Blinking) in configurations mode.
3. If password other than the default is set, then memorize it. Meter will reject the programming if tried with wrong passwords. In such case meter will need to be reset and calibrated in factory only.
4. To get following display on segment use DOWN key:  
In Voltmeter 1 $\phi$ :"Voltage" $\rightarrow$ "Frequency" $\rightarrow$ "Voltage"  
In Voltmeter 3 $\phi$ :"Line to Line Voltage" $\rightarrow$ "Line to Neutral Voltage" $\rightarrow$ "Frequency" $\rightarrow$ "Average Line to Line Voltage " $\rightarrow$ "Average Line to Neutral Voltage" $\rightarrow$ "Line to Line Voltage".  
In Ammeter 1 $\phi$ :"Current" $\rightarrow$ "Average of three Phase Current" $\rightarrow$ "Current"  
In Ammeter 3 $\phi$ :"Current"