



Technical Specification: **THREE PHASE VAF METER**

Model	TMCB-021	
Display Parameters & Range	<u>Parameters</u>	<u>Range</u>
	Volt: VRY, VYB, VBR VRN, VYN, VBN Current: IR, IY, IB Frequency RPM Run Hour	45V – 520V 25V – 300V 10% - 120% of CTR 45Hz – 55Hz
Features	<ul style="list-style-type: none"> • True RMS Measurement • Three Line Display for V, I, F simultaneously • CT Ratio Programming (Range: 5/5 to 9000/5) • Auto scrolling & Manual mode selectable • Auto decimal shifting for current (from 0.01A to 1A) • Bright Seven segment LED display for better readability 	
Accuracy	Class 1.0	
Display	Three Line Seven Segment display, Size 0.56"	
CT Selection	Programmable through KeyPad	
Connection	3-phase, 4 wire & 3-phase, 3wire (on request)	
Aux. Supply	170V – 270Vac, 50Hz	
Dimension	96mm(H) x 96mm(W) x 75mm(D)	
Weight		

Connection Diagram:

1	2	3	4	5	6	7	8
			N	R	Y	B	
			INPUT VOLTAGE (AC)				
CT-B(PH)		CT-Y(PH)		CT-R(PH)		Aux. Supply 170-260V 50Hz	
S1	S2	S1	S2	S1	S2		
9	10	11	12	13	14	15	16

Operation Manual:

1. Press key to select *Manual Mode* or *Auto Mode*. *Auto* LED indicates *Auto Mode*.
2. In *Auto Mode*, following pages are displayed sequentially for 20 sec.
 - a. VRN, VYN, VBN
 - b. VRY, VYB, VBR
 - c. VRN, IR, FREQR
 - d. VYN, IY, FREQY
 - e. VBN, IB, FREQB
 - f. VAVG, IAVG, FREQAVG
 - g. RPM, FREQ
 - h. RUN HOUR
3. In *Manual Mode*, repeatedly press key till the required mode is displayed.

4. To check the value of CT ratio programmed in the meter, press **PROG** key. The meter will display the parameter name **C t r** in the 1st display line and its value in the 2nd display line. The factory setting value for CTR is **0 1 0 0** (i.e. 100/5)
5. To change the CT ratio, continuously press **PROG** key for 10 seconds. The CT ratio value displayed in 2nd line starts blinking. Use **↑** and **↓** key to increase or decrease the CT ratio. Press **PROG** key for 10 seconds to save the new CT ratio & exit to normal mode.



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