

3-Phase VIF Panel Meter (Voltage, Ampere, Frequency)



Model: TMCB-21

Display Parameters & Range	Parameters	Range
	Volt: VRY, VYB, VBR	45V – 520V
	VRN, VYN, VBN	25V – 300V
	Current: IR, IY, IB	10% - 120% of CTR
	Frequency	45Hz – 55Hz
	RPM	
	Run Hour	
	ON Hour	
Features	True RMS Measurement Three Line Display for V, I, F simultaneously CT Ratio Programming (Range: 5/5 to 9000/5) Auto decimal shifting for current (from 0.01 to 1) Bright Seven segment LED display for better readability Auto scrolling & Manual mode selectable	
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	160V – 260Vac, 50Hz	
Dimension	96mm(H) x 96mm(W) x 66mm(D)	

Operation Manual:

- Press **(A/M)** key to select *Manual Mode* or *Auto Mode*. Auto LED indicates *Auto Mode*.
- In *Auto Mode*, following pages are displayed sequentially for 20 sec.
 - VRN, VYN, VBN
 - VRY, VYB, VBR
 - IR, IY, IB
 - VRN, IR, FREQR
 - VYN, IY, FREQY
 - VBN, IB, FREQB
 - VAVG, IAVG, FREQAVG
 - RPM, FREQ
 - RUN HOUR (ruHr)
 - ON HOUR (onHr)
- In *Manual Mode*, repeatedly press **(Scroll)** key till the required mode is displayed.
- To change the CT primary current, continuously press **(Prog)** key for 10 seconds. The meter will display the parameter name **CtPr** in the 1st display line and its value in the 2nd display line. (The factory setting value for CTR is **0 0 0 5** (i.e. 5/5)). Use '↑' and '→' key to increase and shift digit to set CT primary current. Press **(Prog)** key for 10 seconds to save the new CT primary current & exit to normal mode.

Connection Diagram:

1	2	3	4	5	6	7	8	9
			S1	S2	S1	S2	S1	S2
			CT-R(PH)		CT-Y(PH)		CT-B(PH)	
Aux. Supply 160-260Vac			INPUT VOLTAGE (AC)					
L	N				N	B	Y	R
10	11	12	13	14	15	16	17	18