

Test pos.	What you will measure	CMT-2 controls				Processor selected frequency position	DMM multimeter		CMV- indicator scale reading	CMV-indicator and CMT-2 lamps		
		CMV	Freque- ncy	Boun- cing	CMV- range		reading			reading	BOUNCING	0 - 50
			rpm									
1	supply voltage to processor from roller or battery	x	x	x	x	x	11 – 14	Vdc	x	x	x	
2	resistance of CMV indicator 85mm	x	x	x	x	x	428 - 524	ohm	x	x	x	
	resistance of CMV indicator 80mm	x	x	x	x	x	890 - 925	ohm	x	x	x	
3	not used											
4	supply voltage (Vdc) to recorder from processor	x	x	x	x	x	V(test 1)-0.7 to 1.2	Vdc	x	x	x	
5	not used											
6	supply voltage(Vdc) to sensor from processor	x	x	x	x	x	V(test 4)-0.8 to 1.5	Vdc	x	x	x	
7	DC-voltage(Vdc) from sensor to processor	x	x	x	x	x	2.9 to 3.4	Vdc	x	x	x	
8	signals to CMV-indicator from processor	150	1500	OFF	OFF	1	4.8 to 5.2	Vdc	145 to155	OFF	OFF	
		150	3000	OFF	OFF	1	4.8 to 5.2	Vdc	145 to155	OFF	OFF	
		150	3000	ON	OFF	1	4.8 to 5.2	Vdc	145 to155	ON	OFF	
		100	3000	ON	OFF	1	3.2 to 3.5	Vdc	95 to105	OFF	OFF	
		0	3000	OFF	OFF	1	-0.1 to +0.1	Vdc	0 to 5	OFF	OFF	
		50	3000	OFF	ON	1	4.8 to 5.2	Vdc	48 to 52	OFF	ON	
		150	2000	OFF	OFF	6	4.7 to 5.3	Vdc	142 to 158	OFF	OFF	
9	CMV-signal to recorder from processor	150	2000	OFF	OFF	1	4.8 to 5.2	Vdc	x	x	x	
		150	2000	ON	OFF	1	6.5 to 7	Vdc	x	x	x	
		0	2000	OFF	OFF	1	-0.1 to +0.1	Vdc	x	x	x	
10	frequency pulses voltage(Vac) to recorder	x	2000	x	x	x	6 to 8	Vac	x	x	x	
11	analog voltage output (frequency) to EXTENSION	x	2000	x	x	x	1.67	Vdc	x	x	x	
12	analog voltage output (amplitude) to EXTENSION	x	2000	x	x	x	0.78	Vdc	x	x	x	
	x in table = don't care											

For detailed test instructions, see CMT-2 user's manual 24-0025-3201-64, rev. 1.