

FEATURES

- Measures 1~600V or 0-5A AC
- Measures 0~1/10/20/4~20mA or 50mV~600V DC
- 5 Popular Input and Output Ranges Programmable
- Dual output available (isolated)
- Plugs into 8 pin Din Rail mounted base
- Low cost & high stability
- CE Approved



SPECIFICATIONS

Input Range	Input Impedance	Output Range	Load Resistance
0 - 10 mV	≥ 1M ohm	0 - 100 mV	≥ 100K ohm
0 - 50 mV	≥ 1M ohm	0 - 1 V	≥ 50 ohm
0 - 100 mV	≥ 1M ohm	0 - 5 V	≥ 250 ohm
0 - 1 V	≥ 1M ohm	0 - 10 V	≥ 500ohm
0 - 5 V	≥ 1M ohm	1 - 5 V	≥ 250 ohm
0 - 10 V	≥ 1M ohm	2 - 10 V	≥ 500ohm
1 - 5 V	≥ 1M ohm	-10 - 0 - +10 V	≥ 1K ohm
2 - 10 V	≥ 1M ohm	0 - 1 mA	≥ 15K ohm
-10 - 0 - +10 V	≥ 1M ohm	0 - 10 mA	≥ 1500 ohm
0 - 150 V	≥ 1M ohm	0 - 20 mA	≥ 750 ohm
0 - 300 V	≥ 1M ohm	4 - 20 mA	≥ 750ohm
0 - 600 V	≥ 1M ohm		
0 - 100 μA	≥ 1000 ohm		
0 - 1 mA	≥ 100 ohm		
0 - 10 mA	≥ 250 ohm		
0 - 20 mA	≥ 250 ohm		
4 - 20 mA	≥ 250 ohm		
0 - 1 A	≥ 0.05 ohm		
0 - 5 A	≥ 0.02 ohm		

Accuracy: ±0.1% of F.S.
Response time: ≤ 250 msec.
Span adjustment:: ≤ 10% of F.S.
Zero adjustment:: ≤ 5% of F.S.
Output ripple: ≤ 0.1% of F.S.
Power Supply: AC 115 or 230V ±15%, 50/60 Hz
 AC 380 or 415V ±15%, 50/60 Hz
 Option: DC 12V, 24V, 48V ±10%, (Isolated)
 DC 10V/24V, 40mA; changeable by dip switch
 DC 5W, AC 6.5VA

Excitation supply: 0-60 °C
Power consumption: 20-95 %RH, non-condensing
Operating temperature: ≤ 100 PPM/°C
Operating relative humidity: -10-70 °C
Temperature coefficient: Between Power / Input / Output1 / Output2
Storage temperature: ≥ 100M ohm at 500Vdc
Isolation: 4 KV, 1.2 x 50 μ sec.
 Common mode & differential mode
Surge test: AC 2.0 KV for 1 min
 Between Power / Input / Output / Case

Dielectric Strength:

Standard: Complies with EN50081-1, EN50082-2
Dimensions: 50mm(W) x 87mm(H) x 123mm(D)-with socket
Mounting: Surface and DIN rail 35mm WIDE
Weight: 600g

ADJUSTMENT

Dip Switch: Programming for OIP 1-6 Ranges selectable

OIP 1 Span Adjust Pot (Clockwise: o/p1 increase)

OIP 1 Zero Adjust Pot (Clockwise: o/p1 increase)

Dip Switch: Programming for OIP 2-6 Ranges selectable

OIP 2 Span Adjust Pot (Clockwise: o/p2 increase)

OIP 2 Zero Adjust Pot (Clockwise: o/p2 increase)

Programming for input (on input module)

INPUT V / mA : (CODE: P1)

SIGNAL RANGE	DIP-SWITCH (INPUT) SW1	SW2	SW3	SW4
0 - 5 V				on
1 - 5 V	on			on
0 - 10 V		on		
2 - 10 V	on	on		
0 - 20 mA				on
4 - 20 mA	on			on

INPUT mV : (CODE: P2)

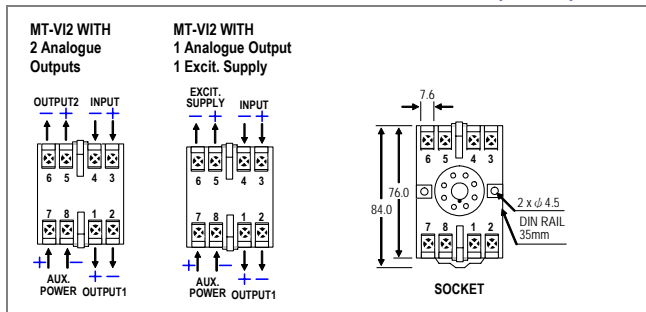
SIGNAL RANGE	DIP-SWITCH (INPUT) SW1	SW2	SW3	SW4
0 - 50 mV				on
0 - 60 mV	on			on
0 - 75 mV		on		
0 - 100 mV	on	on		
0 - 150 mV				on
0 - 200 mV	on			on

Programming for output

OUTPUT V / mA : (CODE: P)

SIGNAL RANGE	DIP-SWITCH (OUTPUT) SW1	SW2	SW3	SW4	SW5
0 - 5 V		on	on	on	
1 - 5 V	on	on	on	on	
0 - 10 V		on	on	on	
2 - 10 V	on	on	on	on	
0 - 20 mA					on
4 - 20 mA	on				on

CONNECTION DIAGRAM & SOCKET(8 PIN)



ORDER CODING

MT-VI Output No. — Input Type — Input Range — Output1 Range — Output2 Range — Aux. Power

CODE	OUTPUT LOOP	CODE	OPTION	CODE	INPUT	CODE	INPUT	CODE	OUTPUT	CODE	OUTPUT	CODE	AUX. POWER
1	Single Output	D	DC	A1	0 - 100 μA	V1	0 - 50 mV	A	0 - 1 mA	1	0 - 100 mV	A1	AC 115 V
2	Dual Output	A	AC	A2	0 - 1 mA	V2	0 - 100 mV	B	0 - 10 mA	2	0 - 1 V	A2	AC 230 V
		T	TRMS	A3	0 - 10 mA	V3	0 - 1 V	C	0 - 20 mA	3	0 - 5 V	A3	AC 380 V
				A4	0 - 20 mA	V4	0 - 5 V	D	4 - 20 mA	4	0 - 10 V	A4	AC 415 V
				A5	4 - 20 mA	V5	0 - 10 V	E	Excitation	5	1 - 5 V	D12	DC 12 V
				A6	0 - 1 A*	V6	1 - 5 V	I	Specify (mA o/p)	6	2 - 10 V	D24	DC 24 V
				A7	0 - 5 A*	V7	2 - 10 V	Programmable Ranges 0-5V/-10V/1-5V//2-10V /0-20mA/4-20mA		7	-10 - +10 V	D48	DC 48 V
				AO	Specify (mA i/p)	V8	-10 - +10 V			V	Specify (Vo/p)	D11	DC 110 V
						VA	0 - 150 V			N	None	ADH	90-264V AC/DC
						VB	0 - 300 V					ADL	20-56V DC
						VC	0 - 600 V						
						VO	Specify (V i/p)						

* For High Current do not unplug live circuit

