

## FEATURES

- Measures and Displays process signals mA, Vdc, Potentiometer, Pulse/u.
- Accuracy:  $\pm 0.1\%$
- 3½ Digit display: 1999
- Easy-to-wire, screw type terminals
- High stability & low cost



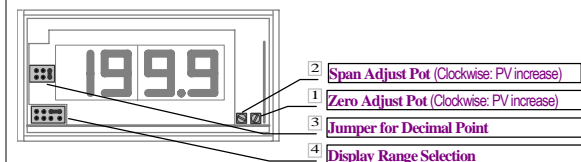
## MEASUREMENT

Measuring Range	Resolution	Input Impedance
Current	0 ~ 1 mA	0.001 mA
	0 ~ 10 mA	0.01 mA
	0 ~ 20 mA	0.1 mA
	4 ~ 20 mA	0.1 mA
Voltage	0 ~ 50 mV	0.1 mV
	0 ~ 1 V	0.001 V
	0 ~ 5 V	0.01 V
	0 ~ 10 V	0.01 V
	1 ~ 5 V	0.01 V
Potentiometer	50 ~ 100.0K ohm	$\geq 1M$ ohm
Pulse/u.	3.00 ~ 30.0K Hz	$\geq 1M$ ohm

## SPECIFICATION

Measuring accuracy:	$\pm 0.1\%$ F.S. $\pm 1$ digit
Span adjustment:	$\leq 10\%$ of F.S.
Zero adjustment:	$\leq 2\%$ of F.S.
Sampling time:	Circa 3 cycles/sec.
Polarity indication:	When input is negative "-"
Over-range indication:	"1" display
Max. input over capability:	Voltage: 1.2 x rated continuous 1.5 x rated for 10 seconds Current: 10 x rated continuous
Decimal point:	Set by jumper behind front
Operating temperature:	0~60°C
Operating relative humidity:	20~95 %RH
Temperature coefficient:	$\leq 100$ PPM/°C (0~50°C) $\leq 50$ PPM/°C (23 $\pm$ 3°C)
Storage temperature:	-10~70°C
Power Supply:	AC 115/230V $\pm 10\%$ , 50/60 Hz Option: DC 5 V, 12V, 24V, 48V $\pm 10\%$ (Isolated)
Excitation supply:	Option: DC 10V, 12V, 24V, 30mA
Power consumption:	DC 3W, AC 4.5VA
Dielectric Strength:	AC 2.0KV for 1 min (Between Power / Input) AC 3.0KV for 1 min (Between Terminal / Case)
Weight:	350g

## ADJUSTMENT



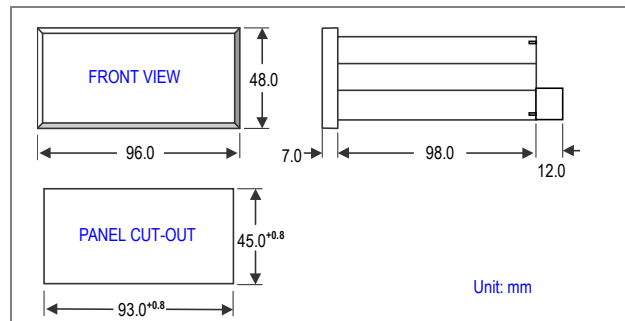
### Display Range Selection:

Section	Jumper	Display Range	Section	Jumper	Display Range
1	[Diagram]	1999~1700	5	[Diagram]	900~ 625
2	[Diagram]	1725~1300	6	[Diagram]	625~ 425
3	[Diagram]	1300~ 900	7	[Diagram]	425~ 300
4	[Diagram]	1200~ 825	8	[Diagram]	300~ 200

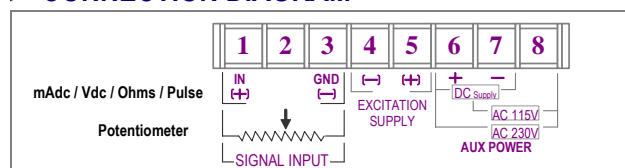
### Decimal Point Jumper:



## DIMENSIONS



## CONNECTION DIAGRAM



## ORDER CODING



Current		Voltage		Potentiometer or Ohm		Strain Gauge		Frequency		Excit. Supply		Aux. Power	
CODE	INPUT RANGE	CODE	INPUT RANGE	CODE	INPUT RANGE	CODE	INPUT RANGE	CODE	INPUT RANGE	CODE	EXCIT. SUPPLY	CODE	AUX. POWER
A1	0 ~ 1 mA	V1	0 ~ 50 mV	RP1	50 ~ 10K ohm	S1	1.0 mV / V	H1	0 ~ 100 Hz	N	None	A	AC 115/230 V
A2	0 ~ 10 mA	V2	0 ~ 60 mV	RP2	10K ~ 100K ohm	S2	1.3 mV / V	H2	0 ~ 200 Hz	E1	DC 10 V	A3	AC 380 V
A3	0 ~ 20 mA	V3	0 ~ 1 V	RPO	Specify (3-w Ω)	S3	1.5 mV / V	H3	0 ~ 500 Hz	E2	DC 12 V	A4	AC 415 V
A4	4 ~ 20 mA	V4	0 ~ 5 V	R1	199.9 ohm	S4	2.0 mV / V	H4	0 ~ 1 KHz	E3	DC 24 V	A24	AC 24 V
AO	Specify (mA)	V5	0 ~ 10 V	R2	1999 ohm	S5	2.5 mV / V	H5	0 ~ 2 KHz	E4	DC 5 V	D12	DC 12 V
		V6	1 ~ 5 V	R3	10.00K ohm	S6	3.0 mV / V	H6	0 ~ 5 KHz	EO	Specify	D24	DC 24 V
		V7	0 ~ 100 mV	RO	Specify(2-w Ω)	S7	4.0 mV / V	H7	0 ~ 10 KHz			D48	DC 48 V
		VO	Specify (V i/p)			S8	3.33 mV / V	H8	0 ~ 40 KHz			DO	Specify DC
						SO	Specify (mV/V)	HO	Specify (Hz)			AO	Specify AC