

CSR-421 4 1/2 DIGITAL PROCESS METER

FEATURE

- Measuring process signal mA, Vdc, Potentiometer, Pulse/u.
- Accuracy: $\pm 0.04\%$
- 4 1/2 Digital display: 19999
- Easy-to-wire, screw type terminal
- Outside dimensions is 1/8 DIN standard (96x48 mm)
- High stability & low cost

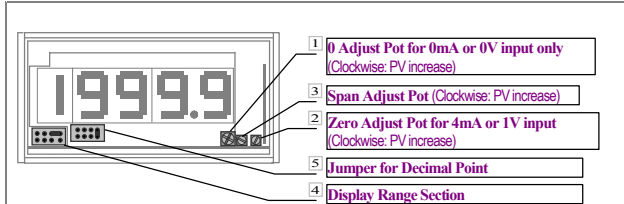


MEASUREMENT

Measuring Range	Resolution	Input Impedance
Current	0 ~ 1 mA	0.0001 mA
	0 ~ 10 mA	0.001 mA
	0 ~ 20 mA	0.01 mA
	4 ~ 20 mA	0.01 mA
Voltage	0 ~ 50 mV	0.01 mV
	0 ~ 1 V	0.0001 V
	0 ~ 5 V	0.001 V
	0 ~ 10V	0.001 V
	1 ~ 5 V	0.001 V
Potentiometer	50.00 ~ 100.00K ohm	$\geq 1M$ ohm
Pulse/u.	3.000 ~ 30.00K Hz	$\geq 1M$ ohm

- Measuring accuracy: $\pm 0.04\%$ F.S. ± 1 digit
- Span adjustment: $\leq 10\%$ of F.S.
- Zero adjustment: $\leq 2\%$ of F.S.
- Sampling time: About 3 cycles/sec.
- Polarity indication: When input is negative " - "
- Over-range indication: " 0000 " flash
- Max. input over capability: Voltage: 1.2 x rated continuous
1.5 x rated for 10 seconds
Current: 10 x rated continuous
- Decimal point: Settable to any position by front jumper
- Operating temperature: 0~60 °C
- Operating relative humidity: 20~95 %RH
- Temperature coefficient: ≤ 100 PPM/°C (0~50°C)
 ≤ 50 PPM/°C (23±3°C)
- Storage temperature: -10~70 °C
- Power Supply: AC 115/230V $\pm 10\%$, 50/60 Hz
Option: DC 12V, 24V, 48V $\pm 10\%$ (Isolated)
- Excitation supply: Option: DC 10V, 12V, 24V, 30mA
DC 3W, AC 4.5VA
- 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

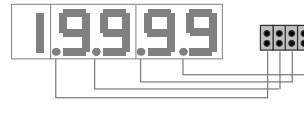
ADJUSTMENT



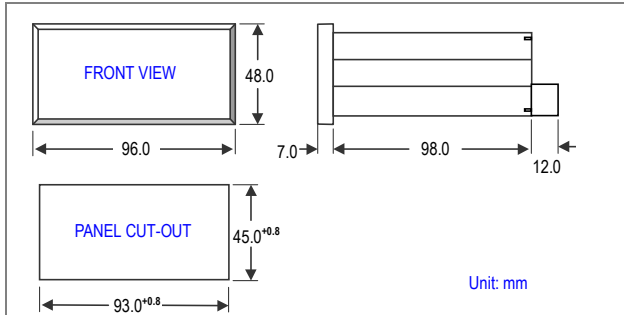
4 Display Range Section:

Section	Jumper	Display Range	Section	Jumper	Display Range
1	---	19999~17000	5	---	9000~ 6250
2	---	17250~13000	6	---	6250~ 4250
3	---	13000~ 9000	7	---	4250~ 3000
4	---	12000~ 8250	8	---	3000~ 2000

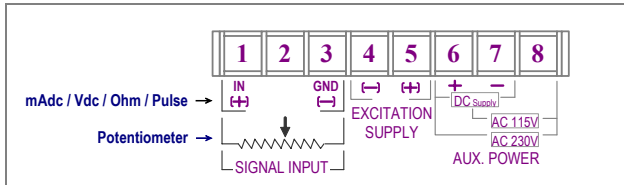
3 Decimal Point Jumper:



DIMENSIONS



CONNECTION DIAGRAM



ORDERING INFORMATION

CSR-421 Input Range — Excitation 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	RP0	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	D12	DC 12 V
AO	Specify (mA)	V5	0 ~ 10 V	R2	1999 ohm	S5	2.5 mV / V	H5	0 ~ 2 KHz	E4	DC 5 V	D24	DC 24 V
		V6	1 ~ 5 V	R3	10.00K ohm	S6	3.0 mV / V	H6	0 ~ 5 KHz	EO	Specify	D48	DC 48 V
		V7	0 ~ 100 mV	RO	Specify (2-w Ω)	S7	4.0 mV / V	H7	0 ~ 10 KHz			DO	Specify DC
		VO	Specify (V)			S8	3.33 mV / V	H8	0 ~ 40 KHz			AO	Specify AC
						SO	Specify (mV/V)	HO	Specify (Hz)				