

CSN-VA 3 1/2 DIGITAL PANEL Meter

ADTEK

DESCRIPTION

CSN-VA is an economic & simple indicator, large LED display 20.0mm height, anti-jamming design, reliable quality and easy installation. Multiple range of input models, you can specify AC or DC voltage / current, frequency, 4 ~ 20mA, 0 ~ 10V and pulse signals for all general measurement requirements.



FEATURE

- User-adjustable zero, coarse and fine-tuning three wired potentiometers, direct adjustment of on-site display
- 20.0mm large high brightness LED display; straight terminal design, no quality issue; installation depth of only 72mm

TECHNICAL SPECIFICATIONS

Input Range				
Input Signal	Range	Resolution	Accuracy	Impedance
AC/DC Voltage	0~50/~100 mV	0.1 mV	DC: ≤± 0.1% of FS ± 1C	≥5MΩ
	0~199.9 mV	0.1 mV		≥5MΩ
	0~1.999 V	0.001 V		≥1MΩ
	0~19.99 V	0.01 V	AC: ≤± 0.2% of FS ± 1C	≥1MΩ
	0~199.9 V	0.1 V		≥1MΩ
	0~300 V	1 V		≥3MΩ
AC/DC Current	0~600 V	1 V	DC: ≤± 0.1% of FS ± 1C	≥3MΩ
	0~199.9 μA	0.1 μA		1KΩ
	0~1.999 mA	0.001 mA		100Ω
	0~19.99 mA	0.01 mA	AC: ≤± 0.2% of FS ± 1C	10Ω
	0~199.9 mA	0.1 mA		1Ω
	0~1.999 A	0.001 A		0.05Ω
	0~5.00 A	0.01 A		0.02Ω
	0~10.00 A	0.01 A		0.01Ω

Calibration: Potentiometer
Zero adjustment: ≤ 2 % F.S.(Clockwise to increase)
Span adjustment: Coarse 0~100% (Clockwise to increase)
 Trimming ≤ 5 % F.S. (Clockwise to increase)
Sampling rate: 1 cycles/sec

Display & Functions

LED: Numeric: 3 1/2 digits, 0.8"(20.0mm) high-brightness LED
Display range: -1999~1999
Decimal point: Short films from 0 / 00 / 000 / 0000
Over range Indication: "I": when input is over range Hi
Under range indication: "- I": when input is over range Lo
Input overload capacity Voltage: 1.2 rated continuous
 1.5 rated input under 10 seconds
 Current: 10 rated input under 10 seconds

Power

Power supply: AC 115 / 230V, 50/60Hz
 ADH : AC 85~264V / DC 100~300V
 ADL : AC / DC 20~56V
 DC 24V
Power consumption: 2.5VA

Electrical Safety

Dielectric strength: AC 2.0 KV for 1 min, Between Power / Input / Output / Case
Insulation resistance: ≥100 MΩ @ 500Vdc, Between Power / Input / Output / Case
EMC: EN 55011:2002; EN 61326:2006
Safety(LVD): EN 61010-1:20010

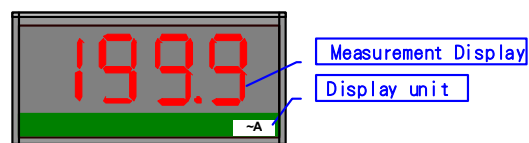
Environmental

Operating temp.: 0~60 °C
Operating humidity: 20~95 %RH, Non-condensing
Temp. coefficient: ≤ 100 PPM/°C(0~50°C)
Storage temp.: -10~70 °C
Enclosure: Front panel:: IEC 529 (IP52); Housing: IP20
Vibration test: 1~800Hz, 3.175g²/Hz

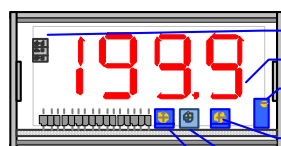
Mechanical

Dimensions: 96mm(W) x 48mm(H) x 72mm(D)
Panel cutout: 93mm(W) x 45mm(H)
Case material: ABS fire-resistance (UL 94V-0)
Mounting: Panel flush mounting
Terminal block: Plastic NYLON 66 (UL 94V-0);
 20A/300Vac, M3.5, 1.3mm²~3.5mm² (22~12AWG)
Weight: 310g

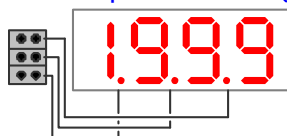
FRONT PANEL & Adjustment



Forced open the front cap and cover
 1. Use a screwdriver from under the front cover of the marginal gap pry
 2. Please save the front cap
 3. Cover the cover is closed, first on buckle under the pressure on the edge of the edge pos

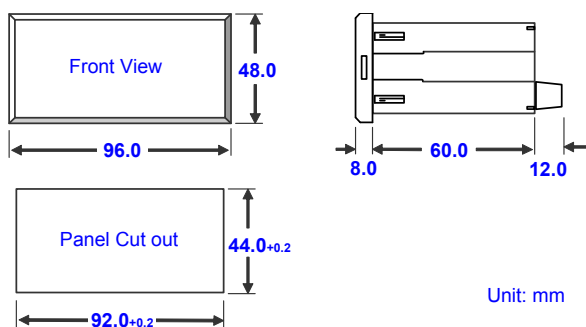


Short Jumper for Decimal Point

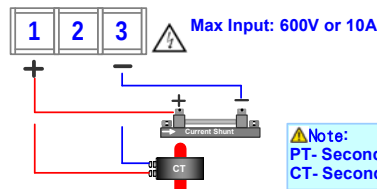
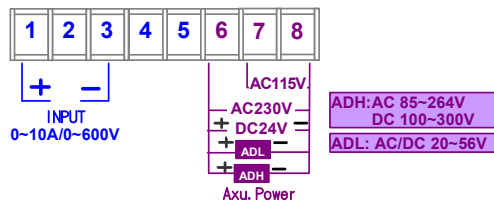


Short Jumper for D.P.
7-Segment Display LED
F.S. Fine-tuning VR(Clockwise to increase: PV Increase)
F.S. Coarse VR(Clockwise to increase: PV Increase)
AC Zero Adjustment VR(Clockwise to increase: PV Increase: PV Increase)
DC Zero Adjustment VR(Clockwise to increase: PV Increase: PV Increase)

DIMENSIONS

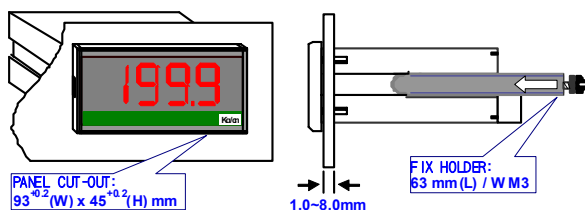


Input Signal



INSTALLATION

The meter should be installed in a location that dose not exceed the maximum operating temperature and provides good air circulation.

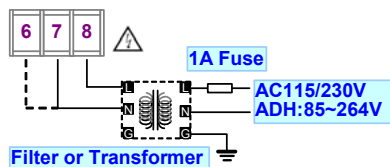


CONNECTION DIAGRAM

Terminals: 20A/300Vac, M3.5, 1.3~3.5mm² (22~12AWG)

Please check the voltage of power supplied first, and then connect to the specified terminals. It is recommended that power supplied to the meter be protected by a fuse or circuit breaker.

Power Supply



ORDERING INFORMATION

CSN-VA-

Input signal	-	Input range	-	Axu. Power																																																												
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