

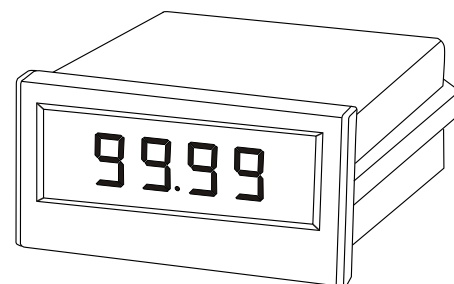


MICROPROCESS DIGITAL METER

MODEL
JDA-T
JDA-W

FEATURES

- Programmable display ± 9999
- Accuracy: $\pm 0.05\%$ to $\pm 0.25\%$
- Auto-zero and hold function
- Measuring adjustment in input sensing deviation
- Outside dimension is DIN standard (96x48mm)



SPECIFICATION

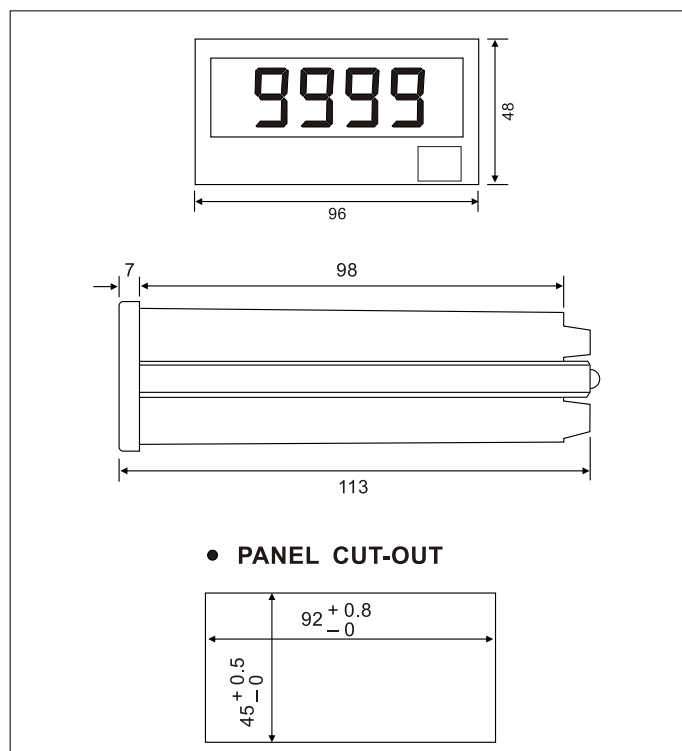
• Input

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 ~ 5V	$\geq 300K\Omega$	0 ~ ± 9999 Programmable
	1 ~ 5V	$\geq 300K\Omega$	
	0 ~ 10V	$\geq 240K\Omega$	
	0 ~ 1mA	100 Ω	
	4 ~ 20mA	10 Ω	
	0 ~ 20mA	10 Ω	
AC • TRMS	0 ~ 1A	0.1 Ω	
	0 ~ 5A	0.1 Ω	
	0 ~ 110V	$\geq 1M\Omega$	
	0 ~ 220V	$\geq 1M\Omega$	
	0 ~ 750V	$\geq 3M\Omega$	

• Analog output

Output Range	Load Resistance	Output Resistance	Output Ripple
0 ~ 1V	$\geq 1K\Omega$	$\leq 0.05\Omega$	$\leq 0.5\%$ RO. (Peak)
1 ~ 5V			
1 ~ 5V			
0 ~ 10V			
0 ~ 1mA	0 ~ 10K Ω	$\geq 20M\Omega$	
0 ~ 10mA	0 ~ 1K Ω	$\geq 5M\Omega$	
0 ~ 20mA	0 ~ 500 Ω		
4 ~ 20mA			

OUTSIDE DIMENSION (UNIT:mm)



• Communication

Interface RS 485
Protocol MODBUS, RTU
Baudrate 1200~38400
Address range 1~255
Data format N.8.1/N.8.2/O.8.1/E.8.1

• General

Display 14.2mm(0.56") H, red LED
Accuracy DC range $\pm 0.05\%$ F.S. ± 2 digits
AC range $\pm 0.15\%$ F.S. ± 2 digits
OUTPUT $\leq \pm 0.1\% \sim \pm 0.25\%$ RO.
(Option: Depending on actual measuring)
Sampling time Abt. 0.8 sec. Typically
Frequency range 45 ~ 70HZ for AC range
Over indication Flash "OFL" or "-OFL"
Over input signal Flash display
Aux. power source AC 110/220V $\pm 10\%$, 50/60Hz
Power consumption $\leq$ AC 9VA
Operating temperature range -5 ~ 50°C
Sensor power supply DC 12V or 24V, 30mA
Storage temperature range -10 ~ 70°C
Temperature coefficient $\leq 100PPM/^{\circ}C$
 $\leq 60PPM, 25^{\circ}C \pm 10^{\circ}C$

Max. relative humidity 95%
Dielectric strength (IEC 688) AC 2KV/1 minute
Input to power terminals
AC 3KV/1 minute
All terminals to case

• Electromagnetic compatibility

Electrostatic discharge IEC 61000-4-2
Electromagnetic fields immunity IEC 61000-4-3
Electrical transient in burst IEC 61000-4-4
Withstanding impulse voltage IEC 61000-4-5
Immunity to voltage dips IEC 61000-4-11

ORDERING INFORMATION

JDA

JDA

Input	Measuring Range	Output	Aux. Source	Option	
D: DC	P1: 0 ~ 50mV	A7: 0 ~ 1A	V2: 0 ~ 5V	A: AC/DC 85~265V	H: Data hold
A: AC	P2: 0 ~ 60mV	A8: 0 ~ 5A	V4: 0 ~ 10V	B: DC 20~60V	D: With DC 24V
T: TRMS	P3: 0 ~ 5V	V6: 0 ~ 110V	A2: 0 ~ 10mA	O: Option	N: None
R: Pt100	P4: 1 ~ 5V	V7: 0 ~ 220V	A3: 0 ~ 20mA		
K: K TYPE	P5: 0 ~ 10V	T1: 0 ~ 400℃	A4: 4 ~ 20mA		
O: Option	P6: 0 ~ 1mA	T2: 0 ~ 1200℃	RS: RS485		
	P7: 4 ~ 20mA	00: Option	NO: None		
	P8: 0 ~ 20mA		00: Option		

CONNECTION DIAGRAMS

