



4 DIGITAL METER (PROGRAMMABLE)

**MODEL
J-596S**

FEATURES

- 4 digits display: 9999
- Accuracy $\pm 0.05\%$ to $\pm 0.2\%$
- Programmable process rate monitor
- Easy-to-wire, screw-type terminals
- Outside dimension is DIN standard (96x48mm, 110x110mm)



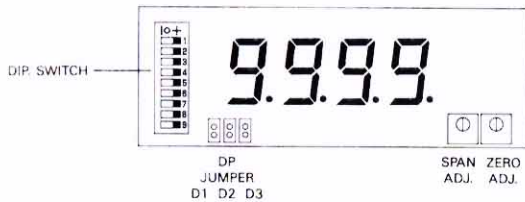
SPECIFICATION

• Input

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 ~ 5V	$\text{IV } 1\text{M}\Omega$	0 ~ 9999 Programmable
	1 ~ 5V	$\text{IV } 1\text{M}\Omega$	
	0 ~ 10V	$\text{IV } 1\text{M}\Omega$	
	0 ~ 1mA	10 Ω	
	4 ~ 20mA	10 Ω	
0 ~ 20mA	10 Ω		
AC TRMS	0 ~ 1A	0.1 Ω	
	0 ~ 5A	0.1 Ω	
	0 ~ 110V	$\text{IV } 1\text{M}\Omega$	
	0 ~ 220V	$\text{IV } 1\text{M}\Omega$	

- Display 14.2mm (0.56") H, red LED
- Max. input over capability Amp. 3 x rated continuous
10 x rated 30 seconds
50 x rated 1 seconds
Volt. 750V continuous
- Accuracy DC range $\pm 0.05\%$ F.S. ± 2 digits
AC range $\pm 0.2\%$ F.S. ± 2 digits
(Option: Depending on actual measuring)
- Measuring mode Dual slope
- Sampling time Abt. 0.8 sec. typically
- Frequency range 45 ~ 400Hz for AC range
- Over input indication Display flash
- Polarity Only " - " display
- Aux. power source AC 110V/220V $\pm 10\%$, 50/60Hz
DC 24V, 48V, 110V $\pm 15\%$
- Power consumption \leq AC 3VA, \leq DC 3W
- Senser power supply DC 12V or 24V, 30mA
(Option function)
- Operating temperature range 0 ~ 60 °C
- Storage temperature range -10 ~ 70 °C
- Temperature coefficient $\leq 100\text{PPM}/^\circ\text{C}$
 $\leq 60\text{PPM}/^\circ\text{C}$, 25 °C $\pm 10^\circ\text{C}$
- Max. relative humidity 95%
- Dielectric strength (IEC 688) AC 2KV/1 minute
Input to power terminals
AC 3KV/1 minute
All terminals to case
- Impulse (IEC 255-4) Common mode 1.2 x 50 μs 4KV
- Connection diagram See page 17, figure A.
- Dimension See page 17, figure 01

• Display (Programmable process)



STAGE	Display (Full Scale)	P I N								
		1	2	3	4	5	6	7	8	9
1	5120	+	-	-	-	-	-	-	-	-
2	2560	-	+	-	-	-	-	-	-	-
3	1280	-	-	+	-	-	-	-	-	-
4	640	-	-	-	+	-	-	-	-	-
5	320	-	-	-	-	+	-	-	-	-
6	160	-	-	-	-	-	+	-	-	-
7	80	-	-	-	-	-	-	+	-	-
8	40	-	-	-	-	-	-	-	+	-
9	20	-	-	-	-	-	-	-	-	+

* DIP Switch Is +, Off, - Three Mode, Don't Setting "Off"

ORDERING INFORMATION

J-596S - -

A	110x110mm
B	96x48mm

Input Signal	Measuring Range	Aux. Power Source
D: DC A: AC T: TRMS	P1: 0 ~ 50mV A7: 0 ~ 1A P2: 0 ~ 60mV A8: 0 ~ 5A P3: 0 ~ 5V V6: 0 ~ 110V P4: 1 ~ 5V V7: 0 ~ 220V P5: 0 ~ 10V 00: OPTION P6: 0 ~ 1mA P7: 4 ~ 20mA P8: 0 ~ 20mA	1: AC 110/220V A: DC 110V B: DC 48V C: DC 24V 0: OPTION

• EXAMPLE

- Input range : AC 0 ~ 5A
- Display : 0 ~ 9999
(Arbitray range)
- Aux. power source : AC 110/220V
- Ordering model : J-596S-AA81