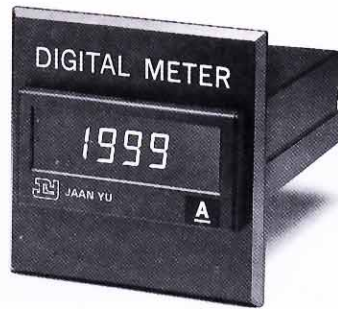


PROGRAMMABLE 3½ DIGITAL METER

MODEL
J-496S

FEATURES

- 3½ display 1999
- Accuracy ±0.1% to ±0.25%
- Easy-to-wire, screw-type terminals
- Outside dimension is DIN standard (96x48mm, 110x110mm)
- Low unit cost



SPECIFICATION

• Input

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 ~ 5V	≧ 1MΩ	0 ~ 1999 Programmable
	1 ~ 5V	≧ 1MΩ	
	0 ~ 10V	≧ 1MΩ	
	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	≧ 1MΩ	
	0 ~ 220V	≧ 1MΩ	

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 ± 0.1% F.S. ± 1 digit
AC range ± 0.25% F.S. ± 1 digit
(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 "1"

Aux. power source AC 110V/220V ± 10%, 50/60Hz
DC 24V, 48V, 110V ± 15%

Power consumption ≤ AC 3VA, ≤ DC 3W

Operating temperature range 0 ~ 60 °C

Sensor power supply DC 12V or 24V, 30mA
(Option function)

Storage temperature range -10 ~ 70 °C

Temperature coefficient ≤ 100PPM/°C
≤ 60PPM/°C, 25 °C ± 10 °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
1	1280	+	-	-	-	-	-	-	-
2	640	-	+	-	-	-	-	-	-
3	320	-	-	+	-	-	-	-	-
4	160	-	-	-	+	-	-	-	-
5	80	-	-	-	-	+	-	-	-
6	40	-	-	-	-	-	+	-	-
7	20	-	-	-	-	-	-	+	-
8	10	-	-	-	-	-	-	-	+

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

ORDERING INFORMATION

J-496S - - A 110x110mm
B 96x48mm

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

• EXAMPLE

Measured range : DC 4 ~ 20mA
Display : 0 ~ 100.0%
Aux. power source : AC 110/220V
Ordering model : J-496S-DP71
Programmable : 0 ~ 100.0%
display range