



3 1/2 DIGITAL METER

MODEL
J-496

FEATURES

- 3 1/2 display: 1999
- Accuracy $\pm 0.1\%$ to $\pm 0.25\%$
- Easy to wire, screw-type terminals
- Outside dimension is DIN standard
(96 x 48mm, 110 x 110mm)
- Low unit cost



SPECIFICATION

• Direct Input

Variable to be Measured	Measuring Range	Input Impedance	Resolution
DC	199.9 μ A	1K Ω	0.1 μ A
	1.999mA	100 Ω	0.001mA
	19.99mA	10 Ω	0.01mA
	199.9mA	1 Ω	0.1mA
	1.999A	0.1 Ω	0.001A
AC	15.00A	0.01 Ω	0.01A
	199.9mV	$\geq 5M\Omega$	0.1mV
	1.999V	$\geq 1M\Omega$	0.001V
	19.99V	$\geq 1M\Omega$	0.01V
	199.9V	$\geq 1M\Omega$	0.1V
TRMS	750V	$\geq 1M\Omega$	1V

• Ratio Input (Secondary of CT, PT)

Variable to be Measured	Input Range	Input Impedance	Display Range
AC	0 - 1A	0.1 Ω	appointed as primary value of CT, PT
	0 - 5A	0.1 Ω	
TRMS	0 - 110V	$\geq 1M\Omega$	
	0 - 220V	$\geq 1M\Omega$	

• Receiving Meter

Variable to be Measured	Input Range	Input Impedance	Display Range
DC	0 - 50mV	$\geq 5M\Omega$	appointed
	0 - 60mV	$\geq 5M\Omega$	
	0 - 5V	$\geq 1M\Omega$	
AC	1 - 5V	$\geq 1M\Omega$	
	0 - 10V	$\geq 1M\Omega$	
TRMS	0 - 1mA	10 Ω	
	4 - 20mA	10 Ω	

Display 14.2mm (0.56") H, red LED
 Max. input over capability Amp. 3 \times rated continuous
 10 \times rated 30 seconds
 50 \times rated 1 seconds
 Volt. 750V continuous
 Accuracy DC range $\pm 0.1\%$ F.S. ± 1 digit
 AC range $\pm 0.25\%$ 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"
 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
 Operating temperature range 0 - 60°C
 Senser power supply DC 12V or 24V, 30mA
 (Option function)
 Storage temperature range -10 - 70°C
 Temperature coefficient ≤ 100 PPM/°C
 ≤ 60 PPM/°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 $\times 50\mu$ S 4 KV
 Connection diagram See page 17, figure A.
 Dimensions See page 17, figure 01.

ORDERING INFORMATION

J-496 - -

A	110 x 110mm
B	96 x 48mm

Input Signal	Measuring Range	Aux. Power Source
D: DC	A1: 199.9 μ A	1: AC 110V/220V A: DC 110V B: DC 48V C: DC 24V 0: Option
A: AC	A2: 1.999mA	
T: TRMS	A3: 19.99mA	
	A4: 199.9mA	
	A5: 1.999A	
	A6: 15.00A	
	V1: 199.9mV	
	V2: 1.999V	
	V3: 19.99V	
	V4: 199.9V	
	V5: 750 V	
	00: Option	
	A7: 0 - 1A	
	A8: 0 - 5A	
	V6: 0 - 110V	
	V7: 0 - 220V	
	P1: 0 - 50mV	
	P2: 0 - 60mV	
	P3: 0 - 5V	
	P4: 1 - 5V	
	P5: 0 - 10V	
	P6: 0 - 1mA	
	P7: 4 - 20mA	

• EXAMPLE

Measured range : AC 750V
 Aux. power source : AC 110V/220V
 Ordering model : J-496-AV/51
 Measured range : DC 4 ~ 20mA
 Display : 0 ~ 100.0%
 Aux. power source : AC 110/220V
 Ordering model : J-496-DP71
 (appointed display range : 0 ~ 100.0%)