

MODEL: P-496



CE

FEATURES

- Accuracy $\pm 0.25\%$ (AC) $\pm 0.1\%$ (DC)
- Easy-to-wire screw-type terminals
- Arbitrary scale is available
- Data holding is available
- Outside dimension is DIN standard (96X48mm)

SPECIFICATION

• Direct Input

Variable to be Measured	Order Code	Measuring Range	Resolution	Input Impedance
DC • AC • TRMS	A1	199.9mA	0.1mA	1K Ω
	A2	1.999mA	0.001mA	100 Ω
	A3	19.99mA	0.01mA	10 Ω
	A4	199.9mA	0.1mA	1 Ω
	A5	1.999A	0.001A	0.1 Ω */0.5VA**
	A6	15.00A	0.01A	0.1 Ω */0.5VA**
	V1	199.9mV	0.1mV	$\geq 5M\Omega$
	V2	1.999V	0.001V	$\geq 1M\Omega$
	V3	19.99V	0.01V	$\geq 1M\Omega$
	V4	199.9V	0.1V	$\geq 1M\Omega$
	V5	750V	1V	$\geq 1M\Omega$

• Ratio Input (Secondary of CT, PT)

Variable to be Measured	Order Code	Input Range	Scaling Range
AC • TRMS	A7	1A	10 • 15 • 20 • 25 • 30 • 40 • 50 • 60 • 75 • 100 150 • 200 • 250 • 300 • 500 • 1000 1200 • 1500 • 2000A.....Other range
	A8	5A	
	V6	110V	440V • 600V • 3.3KV • 6.6KV • 6.9KV 11KV • 12KV • 22KV • 24KV • 33KV 69KV.....Other range
	V7	220V	

• Receiving Meter

Variable to be Measured	Order Code	Input Range	Input Impedance	Scaling Range
DC • AC • TRMS	P1	0~50mV	$\geq 5M\Omega$	0~1999 (arbitrary)
	P2	0~60mV	$\geq 5M\Omega$	
	P3	0~100mV	$\geq 5M\Omega$	
	P4	0~1V	$\geq 1M\Omega$	
	P5	1~5V	$\geq 1M\Omega$	
	P6	0~10V	$\geq 1M\Omega$	
	P7	0~1mA	100 Ω	
	P8	4~20mA	10 Ω	
	P9	0~20mA	10 Ω	

Remark: *Built-in shunt 0.1 Ω

**Built-in isolated CT 0.5VA burden, for AC current input range from 5A & 15A.

Digit & display:

Max. Input over capability:

Measuring accuracy:

Aux. Power supply:

Measuring mode:

Input mode:

Sampling time:

Frequency range:

Span adjustment:

Ratio adjustment:

Operating temperature range:

Storage temperature range:

Temperature coefficient:

Max. relative humidity:

Over input indication:

Polarity display:

Noise elimination ratio:

Power consumption:

Dielectric withstand voltage:

Impulse withstand test:

Weight (about):

3 1/2 (1999), 0.56" (14.2mm) H

Amp. 3 X rated continuous

10 X rated 10 seconds

50 X rated 1 seconds

Volt. 1.2X rated continuous

1.5X rated 10 seconds

$\pm 0.1\%$ F.S. ± 1 digit (DC)

$\pm 0.25\%$ F.S. ± 1 digit (AC, TRMS)

AC 110V/220V $\pm 10\%$, 50HZ or 60Hz

DC 12V, 24V, 48V $\pm 10\%$ (isolation)

Dual slope

single-end input

Abt. 0.3 sec. (standard)

45~400HZ, only for AC, TRMS range

Arbitrary adjustment

8 step changeable range, see figure A.

0~60 $^{\circ}$ C

-10~70 $^{\circ}$ C

≤ 100 PPM/ $^{\circ}$ C, (50PPM/ $^{\circ}$ C, special)

95%

"1"

Only "-" display

CMRR over 86dB 50/60HZ

$\leq$ AC 4.5VA, $\leq$ DC 3W

Between analog input and power terminals: AC, 2KV for 1 Min.

Between terminals and case: AC

4KV for 1 Min.

4KV, 1.2 X 50 $\approx$ s

340 g

• Figure A

Step No.	Ratio Change Jumper	Display Range	Decimal Point Change Jumper	Decimal Point Display
1.		1500~1999		888.8
2.		1000~1800		888.8
3.		800~1400		888.8
4.		700~1200		888.8
5.		550~1000		888.8
6.		400~650		888.8
7.		250~450		888.8
8.		180~300		888.8

(Detail as operation manual)

3 1/2 DIGITAL PANEL METER

MODEL: P-496

ORDERING MODEL MAKE UP

Model P-496-

Variable to be Measured

D: DC
A: AC
T: TRMS

Measuring Range

A1 : 199.9 μ A
A2 : 1.999mA
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 : 750V
(Ratio input, appointed scale)
A7 : 1A
A8 : 5A
V6 : 110V
V7 : 220V
(Receiving meter, appointed scale)
P1 : 0~50mV
P2 : 0~60mV
P3 : 0~100mV
P4 : 0~1V
P5 : 1~5V
P6 : 0~10V
P7 : 0~1mA
P8 : 4~20mA
P9 : 0~20mA
00 : Option

Aux. Power Source

A : AC 110V/220V
B : DC 12V
C : DC 24V
D : DC 48V
O : Option

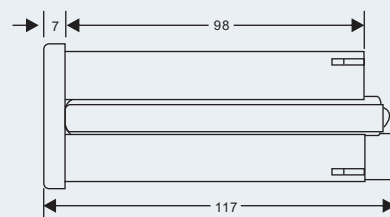
Indicating Mode

0 : None
1 : Arbitrary scale.

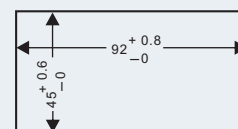
EXAMPLE

Measured range : AC 200V
Aux. power source : AC 110V/220V
Ordering model: P-496-AV4A0
Input range: DC 4~20mA
Scaling range: 0~100.0%
Aux. Power source: AC110V/220V
Ordering model : P-496-DP8A0

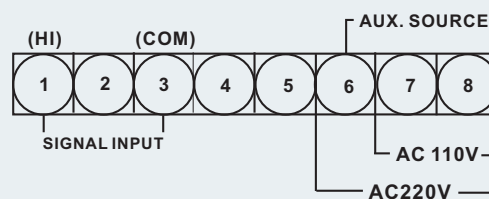
THE OUTSIDE DIMENSION



PANEL CUT-OUT



CONNECTION DIAGRAM



DC aux. power source

