

AC Current Meters



Feature

True power system design complaints
ANSI-IEEE, IEC & VDE standards
High over capability
Available 4-1/2 digits
High accuracy of 0.2% fs
Measurement of distorted waveform signals
Super rate display of 0.56"

Applied rules and standards

Measuring & conversion	IEC 688
Dielectric strength	IEC 688
Impulse & Surge test	ANSI C37.90.1/1989 IEC 255-3 (1989)
Adaptability-power system	IEC 0110
Measuring reliability	VDE 3540

Description

The model UMA series, are designed under micro base, and it also designed for general performance or accept Ac input signals & convert AC to DC of average responding to scale rms reading.

The unit type of ration input ranges are defined to accept a secondary signal from CT & calibrated to primary reading & the named type of input ranges just directly follow inputs as a display reading.

The designed specifications of the units, truly a real power system design, compliant ANSI-IEEE & IEC, VDE those standards providing full protection for surge intrusion & unusual over input to assure reliable operation.

Specification

Accuracy (23±3°C)	0.2% fs
Stability	Temperature coefficient < 50 ppm per degree C. Long term draft < 0.2% per year
Digits / counts / display	Maximum 19999 counts of 4-1/2 digits. 0.56" super rate LED
Response time	Sample rate 1 of per sec typically
Input burden	0.25VA maximum
Input over	Current input : 3 x rating-continuous, 10 x rating - 30 sec, 25 x rating - 3 sec
Frequency	48 - 400 Hz
Dielectric strength	2.5KV rms / 1 minute, all terminals to reference ground (case) 2KV rms / 1 minute, input terminals to power terminals
Surge test	ANSI C37.90.1/1989, IEC 255-3 (1989)
Impulse voltage	Impulse voltage 1.2 x 50 us 4KV Oscillation wave 0.5us - 100KHz 3KV & 1MHz - 0.25ms 2.5KV
Operation condition	Temperature range -10 to 55°C, 0 to 99% RH non-condensed Storage -25 to 70°C, 20-99% RH non-condensed
Auxiliary power	AC / DC version < 3.5VA, DC option version ±20% < 5 watts

Order from

Function Model
 Average to RMS reading UMA

Frame (in mm)

96X48	U
110X110	O

Auxiliary power

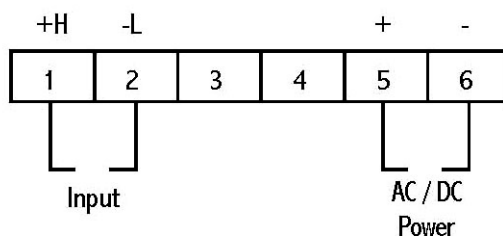
AC / DC 30-250V	★	S
DC option 24V		1

★ : This segment was originally used in the circuit of traditional transformer, and new model uses switching power circuit where in the wide range power system

Input ranges

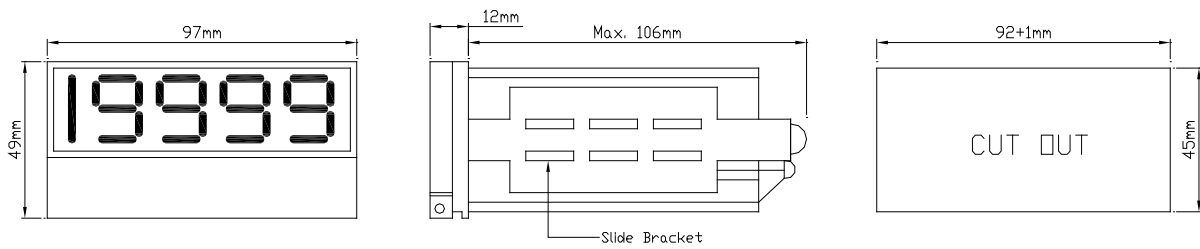
CT ratio = P/S P : Primary S : Secondary						Named input type	
Ratio type							
	P/5A	P/1A		P/5A	P/1A		
20A	A5	A1	300A	M5	M1	0-400.0uA	12
25A	B5	B1	400A	N5	N1	0-4.000mA	13
30A	C5	C1	500A	O5	O1	0-40.00mA	14
40A	D5	D1	600A	P5	P1	0-400.0mA	15
50A	E5	E1	750A	Q5	Q1	0-4.000A	16
60A	F5	F1	800A	R5	R1	0-20.00A (option)	17
75A	G5	G1	1000A	S5	S1		
80A	H5	H1	1200A	T5	T1		
100A	I5	I1	1500A	U5	U1	0-2.0000mA	22
150A	J5	J1	1600A	V5	V1	0-20.000mA	23
200A	K5	K1	2000A	W5	W1	0-200.00mA	24
250A	L5	L1	2500A	X5	X1	0-2.0000A	25
The other range							AY

Terminal connection



Dimension

U TYPE



O TYPE

