

Power Frequency Meter

UMF



Features

True power system design complaints
ANSI-IEEE, IEC standards
High accuracy of 0.05%
Display with LCD 4 digits
Crystal base guarantee long term stability

Applied rules & standards

ANSI/IEEE C37.90.1-1989 (3KV) SWC test
IEC 255-22-1 class III SWC test
IEC 255-22-4 class IV (IEC 801-4) SWC test
IEC 255-5 1.2 x 50us (4KV) impulse test

Description

UMF, power frequency meter, really designed for power system use, provides wide input sensing voltage range from 75V to 580V, very accurate & stable conversion with a crystal heart. The unit guarantees accuracy & reliable long term stability.

True power system designing, the unit specification complaints ANSI-IEEE, IEC standards providing full protecting for surge & unusual over input.

Specification

Accuracy(23±3°C)	0.05% rd
Stability	< 100 ppm per degree C change, long term draft < 100 ppm draft per year
Digits & count	4 digits - 9999 counts.
Display	LCD 0.3" with backlight
Input resistance	≤ 1 MΩ
Input over	1kVrms for 10 sec, 750V continuous
Response time	1 of per sec typically
Dielectrically strength	2.0 kV AC RMS, terminals to reference ground (case), input to power
Impulse and surge test	ANSI/IEEE c37.90.1-1989 (3KV) SWC IEC 61000-4-12 Class III SWC IEC 61000-4-4 Class IV SWC IEC 61000-4-5 Class IV Impulse
Operating condition	Temperature range -10 to 55°C, 20-95% RH non-condensed storage -25 to 70°C, 20-95% RH non-condensed
Auxiliary power	AC/DC 85-265V 40-70Hz for AC ; DC 24V or 48V ±15% Dissipation maximum 3VA for AC and 2 watts for DC



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Order form

Digits Input voltage range Model

4 75 ~ 580Vac rms UMF

Frame (in mm)

96 x 48	U
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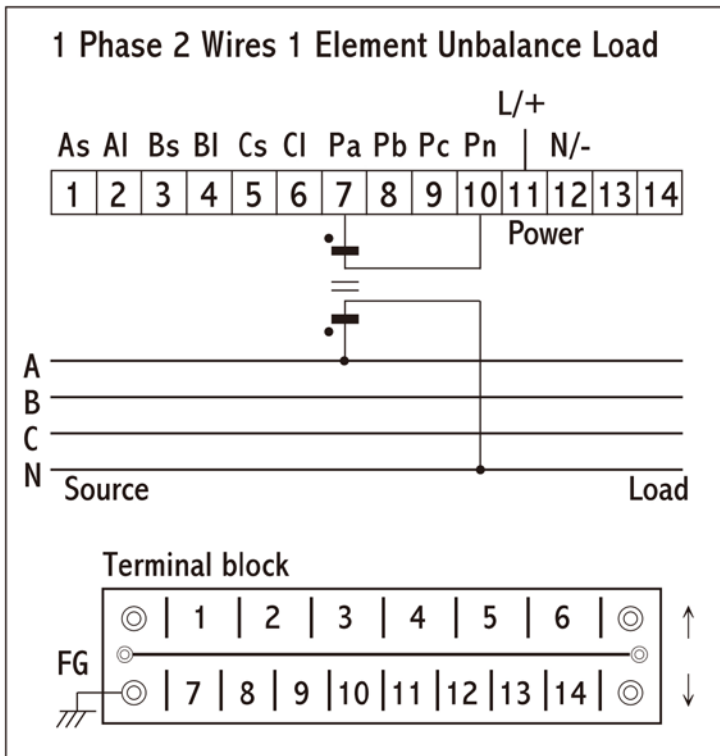
Auxiliary Power

AC / DC 85~265V	S
DC 24V/48 ±15%	1

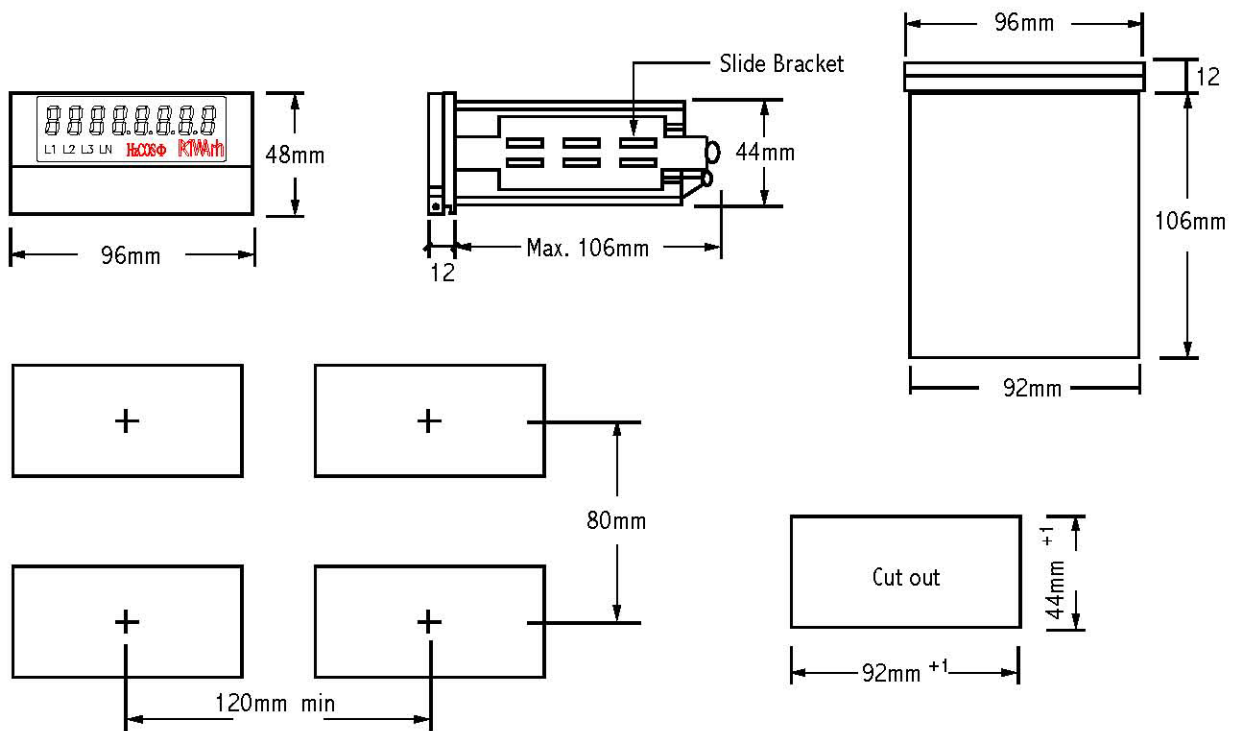
Counts

40.00 ~ 70.00 Hz	5
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Wiring



Dimension



The minimum distance between meters

Cutout Layout