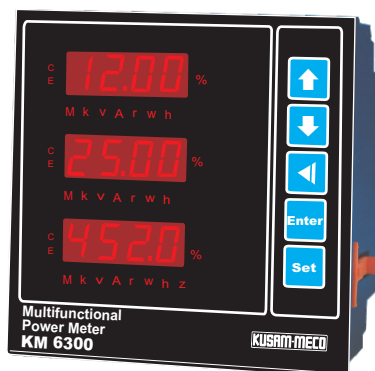


Model KM - 6300

**Accuracy Class
0.25%**



FEATURES :

Measurement of Current, Voltage, Active, Reactive and Apparent Power, Power factor, Line Frequency, Active & Reactive Energy, Harmonic, & Maximum Demand. (54 parameters).

High - brightness LED display

High accuracy up to 0.25 %

Programmable adjustment for current and voltage transformers ratio

With RS 485 or RS 232 output

Neutral current can be indicated

Dual relay contacts for energy or alarm output

Setting protected by password

Memory of all setting value and energy data over ten years.

Outside dimension compatible for DIN standard 144 x 144 mm

Optional Harmonic Display

Optional Dual current loop output.

SPECIFICATION :

Local Display	Total	Phase1	Phase2	Phase3	Accuracy**
L- L Voltage	*				0.25%
L- N Voltage					0.25%
Line current	*				0.25%
Neutral current					1%
Active power					0.5%
Reactive power					0.5%
Apparent power					0.5%
Power factor	*				0.5%
Frequency	*				0.05%
Active energy +					0.5%
Reactive energy +					0.5%
Active energy -					0.5%
Reactive energy -					0.5%
Total Harmonic - I(1)	*				2%
Total Harmonic - V(1)	*				2%

(1) up to 31 st harmonic * Average Value **Full scale of ranges

Accuracy Performance Range

Current range.....2 ~ 120 %
Voltage range2 ~ 120 %
Power range.....Current, 2 ~ 120 %, Voltage, 2~120 %
Power factor range.....Cos (sin)0.5 ~ 1
Frequency range.....45 ~ 70 Hz
Distortion level from.....10 % to 120 %

Input Voltage

Voltage range (line to line).....8 ~ 500 V
Voltage range (line to neutral).....5 ~ 290 V
Maximum overload.....750 V
Input impedance.....200.K.

Input Current.

Current range.....5 A or 1 A
Maximum overload.....6 A, continuous, 50 A 5 sec.
.....15 A, continuous, 250 A 1 sec. (Option)
Input burden.....1VA
Isolation.....Each phase, 600 V
Starting current.....1 %, F.S.

Power Supply

Nominal voltageAC 110 V / 220 V $\pm$ 15 %, 50 / 60 Hz
or DC 110 V, 24 V $\pm$ 10 %
Burden.....(AC) 5 VA, (DC) 5 W

Display

Type.....High-brightness RED LED
Digital height.....0.56", 14.2 mm
Digital format.....3 rows of 4 digits
Digits for Wh, Varh, Vah.....8 digits (two rows)

MULTIFUNCTIONAL DIGITAL TRMS POWER METER - Model KM 6300

RELAY CONTACTS OUTPUT FOR ENERGY OR ALARM

Energy Value.....100 pulse for 1 K Wh or 1 KVarh
Alarm set point2 point, programmable
Relay contactsAC 240 V 1 A, DC 24 V 1 A

DEMAND

Actual demand with time into period.....A, VA, W Var
Time of period.....1 ~ 60 min. programmable
Real time clock (option).....HH / MM / SS
Max. Demand.....A, VA, W, Var

ANALOG OUTPUT (OPTIONAL)

Current loop.....11 ~ 32 V, DC 4 ~ 20 mA
Output resistance.....600 (24V DC)
Output points.....2 points, programmable
Output accuracy..... $\pm 0.5\%$ RO.

HARMONICS DISPLAY (OPTIONAL)

Total Harmonics (Current) upto 31st Harmonic (Display upto 15th)
Total Harmonics (Voltage) upto 31st Harmonic (Display upto 15th)

COMMUNICATION

Interface.....RS - 485 (standard), or RS232 (option)
Protocol.....MODBUS, RTU
framing
Baud rate.....1200 ~ 38400 programmable
Address range.....1 ~ 255 programmable
Data format.....N.8.1 / N.8.2 / 0.8.1 / E.8.1 pro.
Number of meter.....up to 32 on standard RS - 485

GENERAL

Dielectric strength.....IEC 688 , AC 2 . 3 KV 1 minute
between Input / Output / Power
AC 2.8 KV 1 minute between all terminal / ground
Operating temperature.....0 ~ 60°C
Storage temperature.....-10 ~ 70°C
Temperature coefficient.....100 PPM / °C
Max. Humidity.....95.% RH

ELECTROMAGNETIC COMPATIBILITY

Withstanding impulse voltage.....IEC 1000 - 4 - 5
Electrical transient in burst.....IEC 1000 - 4 - 4
Electrostatic discharge.....IEC 1000 - 4 - 2
Electromagnetic fields immunity.....IEC 1000 - 4 - 3
Wave dampingIEC 255 - 4

ORDERING INFORMATION

K M 6300 -

Model

Input current

1 : 1 A

5 : 5 A

0 : Option

Aux. power supply

1 : AC 110 V / 220 V

A : DC 110 V

C : DC 24 V

RS 485 output

Y : Yes

N : No

Analog output

Y : Yes

N : No

Harmonic

Y : Yes

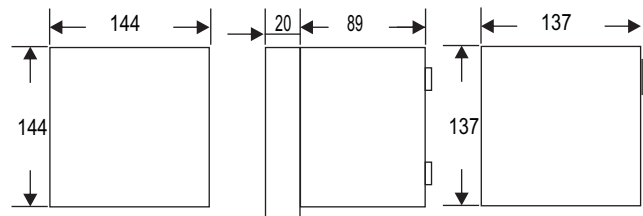
N : No

DIMENSION :

FRONT VIEW (mm)

SIDE VIEW

CUT OUT



All Specifications are subject to change without prior notice

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