

## DIGITAL MICROPROCESSOR MULTIFUNCTION TRMS POWER METER

### SERIES 7200

#### Model KM 7200 A



#### FEATURES :

3 Displays at one time : 3V, 3A, W, Var, WH, VarH, PF, Hz (total 12 parameters)  
Applicable Standard : DIN IEC 688  
Output / Display / Setting Range User Selectable  
Suitable for : 1 2 W ; 1 3 W ; 3 3 W ; 3 4 W Systems.

10 Years Power - Off Memory for WH & VarH  
With RS - 485 or RS - 232 Communications Ports,  
Modbus RTU Output  
Software for Load Analysis (optional)  
User friendly programming.

#### SPECIFICATIONS :

##### INPUT :

Input Voltage Range : Normal Voltage 110 V,  
Effective Range 85 ~ 150 V.  
Normal Voltage 220 V,  
Effective Range 160 ~ 300 V AC  
Input Voltage Over Range : Normal AC 110 V,  
Over 500 V Continuous.  
Input Frequency : 45 Hz ~ 70 Hz.

Input Current Range : Normal Current 5 A,  
Effective Range 0 ~ 7.5 A,  
Normal Current 1 A,  
Effective Range 0 ~ 1.5 A.  
Input Current Over Range : Normal AC 5 A,  
Over 15 A Continuous.  
Input Burden : Voltage 0.25 VA / Unit,  
Current 0.25 VA / Unit, at 50 / 60 Hz

##### OUTPUT :

Output Response time : 1 Sec.  
Output Protection : Without Damage for Output Open or Short Circuit.  
Digital Output : RS-485 output , 1200, 2400 , 4800, 9600, 19200 Baud rate ,  
User Selectable.

D C Current : 0 - 20 mA DC  
**Load resistance drive** : output drive 10 V D C max.  
D C Voltage : 0 - 10 V DC  
**Load resistance drive** : output drive 5 mA max.

#### PERFORMANCE :

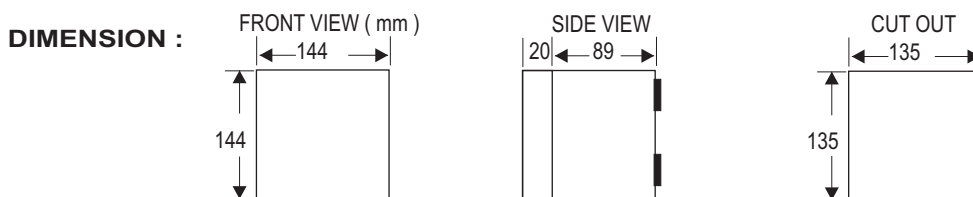
Accuracy : V, A, W, =  $\pm 0.2\%$  Fs + 2 Counts at 23°C  $\pm 3^\circ\text{C}$ .  
: Var, WH, VarH, PF =  $\pm 0.4\%$  RD + 2 Counts  
: Hz =  $\pm 0.02\%$  Fs + 1 C at 23°C  $\pm 3^\circ\text{C}$ .  
Display Range : V, A, W, Var, PF, Hz, 0.56" Super RED LED  
4 Digits = 0 ~ 9999 Counts.  
PT, CT User Selectable.  
WH; VarH, 0.56" Super RED LED,  
6 Digits = 0 ~ 999999 Counts.

Response Time: 1 Sec.  
Dielectric Strength: AC 2.8KV / Min, Input / Power / Case, DIN IEC 688.  
Impulse: 6 KV 1.2 x 50  $\mu\text{s}$ , ANSI C37.90a / 1983. DIN IEC 255 - 4.  
Stability: 0.2% / Year  
Operation Condition: -10°C ~ +55°C; 20 ~ 95% RH Non - Condensed.  
Storage Condition: -40°C ~ +75°C; 20 ~ 95% RH Non - Condensed  
Power Supply: AC 85 ~ 265 V and DC 100 ~ 300 V Power.  
Mounting: Panel Flush Mounting.

#### Model KM 7200 A

	INPUT (V)	INPUT CURRENT	OUTPUT	SETTING FUNCTION	AUX. POWER
A	55 ~ 300V	A 1A	F RS485 modbus O 4 Units Analog M 4 Units Analog+RS485 Q Full Function	A 4 Units Hi-Lo set	C DC 24V F AC 85~265V DC 100~300V
C	300 ~ 600V	B 5A	N NONE	N NONE	
Y	SPECIAL	Y SPECIAL	Y SPECIAL	Y SPECIAL	Y SPECIAL

In 3 4 system, the Voltage ( INPUT ( V ) ) is Line - Neutral Voltage  
When ordering Specify Model code number and Variable ( e.g. KM - 7200A - A - B - F - N - F )  
Code number : Model - Input V - input C - Output - setting - power.



All Specifications are subject to change without prior notice