

# DIGITAL MICROPROCESSOR MULTIFUNCTION TRMS POWER METER

## SERIES 7200

### Model KM 7200 A



#### FEATURES :

- 3Displays 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  $\phi$ 2W; 1  $\phi$ 3W; 3 $\phi$ 3W; 3  $\phi$ 4W Systems.

- 10Years 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 / 60Hz

##### OUTPUT :

- Output Response time :  $\leq 1$ 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.

- DCCurrent : 0 - 20 mA DC
- Load resistance drive : output drive 10 V D C max.
- DC 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  $\pm 3^\circ$ C. :  
Var, WH, VarH, PF =  $\pm 0.4\%$  RD + 2 Counts  
: Hz =  $\pm 0.02\%$  Fs + 1 C at 23° C  $\pm 3^\circ$ 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.

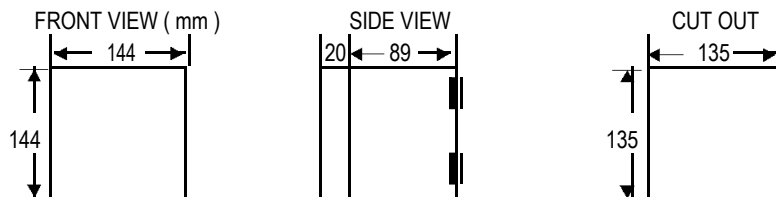
- Response Time:  $\leq 1$ Sec.
- Dielectric Strength: AC 2.8KV / Min, Input / Power / Case, DIN IEC 688.
- Impulse: 6 KV 1.2 x 50  $\mu$ S, ANSI C37.90a / 1983. DIN IEC 255 - 4.
- Stability:  $\leq 0.2\%$  / Year
- Operation Condition: -10°C ~ +55° C; 20 ~ 95 % RH Non - Condensed.
- Storage Condition: - 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	A	4 Units Hi-Lo set	C	DC 24V
C	300 ~ 600V	B	5A	O	4 Units Analog			F	AC 85~265V
				M	4 Units Analog+RS485				DC 100~300V
				Q	Full Function				
				N	NONE	N	NONE		
Y	SPECIAL	Y	SPECIAL	Y	SPECIAL	Y	SPECIAL	Y	SPECIAL

In 3  $\phi$  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.

#### DIMENSION :



All Specifications are subject to change without prior notice