

ELECTRICAL SPECIFICATIONS KM 2730

Accuracy is $\pm$ (% reading digits + number of digits) or otherwise specified, at 23°C $\pm$ 5°C

DC VOLTAGE

Range	Resolution	Accuracy
200 mV	0.1 mV	$\pm(0.5\% \text{ rdg} + 3 \text{ dgts})$
2 V	0.001 V	
20 V	0.01 V	
200 V	0.1 V	
600 V	1 V	

Input resistance : 10M Ω

The maximum input voltage : 600V DC

AC VOLTAGE (With VFD Function)

Range	Resolution	Accuracy
2 V	0.001 V	$\pm(1.0\% \text{ rdg} + 3 \text{ dgts})$
20 V	0.01 V	
200 V	0.1 V	
600 V	1 V	

Input resistance : 10M Ω

The maximum input voltage : 600V AC

Frequency Response : 40Hz ~ 1KHz

RESISTANCE

Range	Resolution	Accuracy
200 Ω	0.1 Ω	$\pm(0.8\% \text{ rdg} + 3 \text{ dgts})$
2 K Ω	0.001 k Ω	
20 K Ω	0.01 k Ω	
200 K Ω	0.1 k Ω	
2 M Ω	0.001M Ω	
20 M Ω	0.01 M Ω	

Overload Protection : 250V

Open Circuit Voltage : 1.2V

AC CURRENT (With VFD Function)

Range	Resolution	Accuracy
2A	0.001 A	$\pm (2.5\% \text{ rdg} + 6 \text{ dgts})$
20A	0.01 A	$\pm (3.0\% \text{ rdg} + 6 \text{ dgts})$
100A	0.1 A	

Maximum Input Current : 100A AC

Frequency Range : 40Hz ~ 400Hz

DC CURRENT

Range	Resolution	Accuracy
2A	0.001 A	$\pm (2.5\% \text{ rdg} + 6 \text{ dgts})$
20A	0.01 A	$\pm (3.0\% \text{ rdg} + 6 \text{ dgts})$
100A	0.1 A	

TEMPERATURE

Range	Resolution	Accuracy
-20 ~ 1000°C	1°C	$\pm (2.0\% \text{ rdg} + 2 \text{ dgts})$
-4 ~ 1832°F	1°F	$\pm (2.0\% \text{ rdg} + 4 \text{ dgts})$

Overload Protection : 250V

CAPACITANCE

Range	Resolution	Accuracy
200 nF	0.1 nF	$\pm(3.5\% \text{ rdg} + 15 \text{ dgts})$
2 μ F	0.001 μ F	
20 μ F	0.01 μ F	
200 μ F	0.1 μ F	
2000 μ F	0.001 μ F	

Overload Protection : 250V

BUZZER CONTINUITY

Function	Range	Description
	100 Ω	Resistance is less than 50 Ω , the buzzer sounds.

Overload Protection : 250V Resolution : 1 Ω

Open Circuit Voltage : about 1V

DIODE TEST

Function	Range	Description
	0.15V ~ 2.5V	Forward DC Current : about 1mA Open Circuit Voltage : about 2.5V The approx. value of diode forward voltage.

Overload Protection : 250V Resolution : 0.001V