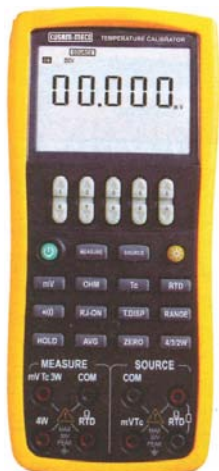


Model - KM-CAL-906



This temperature Calibrator gives high accuracy of 0.02% for measure and source. It has dual display, 5 digits for measure and 6 digits for source & white LED for backlight. Volts, RTD & Thermocouple. It gives output up to 500 to 5k and output for calibrating R, S, K, E, J, T, N, B, L, U type of Thermocouples RTD & Continuity.

FEATURES

- High Accuracy of 0.02% for measure and source.
- 5 digits display for measure.
- 6 digits display for source.
- A dual, Liquid Crystal Display.
- White LED for backlight

ACCESSORIES :

Test leads, User's Manual, Holster & Carrying Case.

GENERAL SPECIFICATIONS

- * Accuracy : $\pm 0.02\%$
- * Max. Allowable Voltage : 30V
- * Operation Temperature Range : 0 ~ 50°C
- * Operation Humidity Range : 80% RH
- * Storage Temperature Range : -10°C ~ 55°C
- * Storage Humidity Range: 90% RH
- * Power supply :
- * Size : 205 x 95 x 42 mm
- * Weight : 500g (with holster)
- * Safety : Conforms to IEC 1010

ELECTRICAL SPECIFICATIONS : KM-CAL-906

Accuracy : $\pm (\% \text{Reading} + \text{No. Of Digits})$.

MEASURING FUNCTION

Measuring Function	Range	Measuring Range	Resolution	Accuracy	Remark	
DC Voltage	50mV	-5.000mV ~ 55.000mV	1 V	0.02 + 0.02	Input Resistance : approximately 100M	
	500mV	-50.00mV ~ 550.00mV	10 V	0.02 + 0.01		
Resistance (OHM)	500	0.00 ~ 550.00	0.01	0.05 + 0.02	Test current for 500 : Approximately 1mA; Test current for 5K : Approximately 0.1mA; Open circuit voltage: About 2.5V; Does not include lead resistance:	
	5K	0.0000K ~ 5.5000K	0.1	0.05 + 0.02		
Thermocouple	R	0°C ~ 1767°C	1°C	0~500°C : 1.8°C	By using ITS-90 temperature scale: The accuracy does not include the error of internal temperature compensation caused by a sensor;	
	S	0°C ~ 1767°C		500~1767°C : 1.5°C		
	K	-100.0°C ~ 1372.0°C	0.1°C	-100.0~0.0°C : 1.2°C		
				0.0~1372.0°C : 0.8°C		
	E	-50.0°C ~ 850.0°C	0.1°C	-50.0°C~0.0°C : 0.9°C		
				0.0°C~85.0°C : 1.5°C		
	J	-60.0°C ~ 1120.0°C	0.1°C	-60.0~0.0°C : 1.0°C		
				0.0~1120.0°C : 0.7°C		
	T	-100.0°C ~ 400.0°C	0.1°C	-100.0 ~ 0.0°C : 1.0°C		
				0.0~400.0°C : 0.7°C		
N	-200.0°C ~ 1300.0°C	0.1°C	-200.0~0.0°C : 1.5°C			
			0.0~1300.0°C : 0.9°C			
B	600°C ~ 1820°C	1°C	600~800°C : 2.2°C			
			800 ~1000°C : 1.8°C			
L	-60.0°C ~ 900.0°C	0.1°C	1000 ~1820°C : 1.4°C			
			-60.0 ~ 0.0°C : 0.7°C			
U	-100.0°C ~ 600.0°C	0.1°C	0.0 ~ 900.0°C : 0.5°C			
			-100.0 ~ 0.0°C : 0.7°C			
Thermo Resistance (RTD)	PT100 385	-200.0°C ~ 800.0°C	0.1°C	0.0 ~ 600.0°C : 0.5°C	By using temperature scale ITS-90. Does not include lead resistance. Assuming all three RTD leads are matched for 3-w input.	
				-200.0 ~ 0.0°C : 0.5°C		
	PT 1000 385	-200.0°C ~ 630.0°C	0.1°C	0.0 ~ 400.0°C : 0.7°C		
				400.0~800.0°C:0.8°C		
	PT 200 385	-200.0°C ~ 630.0°C	0.1°C	-200.0~100.0°C:0.3°C		
				100.0~300.0°C:0.5°C		
	PT 500 385	-200.0°C ~ 630.0°C	0.1°C	300.0~630.0°C:0.7°C		
				-200.0~100.0°C:0.8°C		
	Continuity	PT 500 385	-200.0°C ~ 630.0°C	0.1°C		100.0~300.0°C:0.9°C
						300.0~630.0°C:1.0°C
Cu10	-100.0°C ~ 260.0°C	0.1°C	200.0~100.0°C:0.4°C			
			100.0~300.0°C:0.5°C			
Cu50	-50.0°C ~ 150.0°C	0.1°C	300.0~630.0°C:0.7°C			
			1.8°C			
500	50	0.01	0.7°C			
			500 Approximately 1mA test Current			

Note: All Specification are Subject to change without prior notice.

ELECTRICAL SPECIFICATIONS - KM-CAL-906

OUTPUT FUNCTION

Output Function	Range	Measuring Range	Resolution	Accuracy	Remark
DC Voltage	100mV	-10.000 ~ 110.000mV	1 V	0.02 + 0.01	Max. Output : 0.5mA
	1000mV	-100.00 ~ 1100.00mV	10 V	0.02 + 0.01	Max. Output : 2mA
RESISTANCE	400	0.00 ~ 400.00	0.01	0.02 + 0.02	Excitation current:±0.5-3mA; if ±0.1-0.5mA,add 0.1 ; Does Not Include lead resistance
	4 K	0.0000K ~ 4.0000K	0.1	0.05 + 0.025	Excitation current:±0.05-3mA; Does not Include lead resistance
THERMOCOUPLE	R	0°C ~ 1767°C	1°C	0 ~ 100°C : 1.5°C	By using ITS-90 temperature scale: The accuracy does not include the error of internal temperature compensation caused by a sensor;
				100 ~ 1767°C : 1.2°C	
	S	0°C ~ 1767°C		0 ~ 100°C : 1.5°C	
				100 ~ 1767°C : 1.2°C	
	K	-200.0°C ~ 1372.0°C	0.1°C	-200 ~ -100°C : 0.6°C	
				-100 ~ 400°C : 0.5°C	
				400 ~ 1200°C : 0.7°C	
				1200 ~ 1372°C : 0.9°C	
	E	-200.0°C ~ 1000.0°C		-200 ~ -100°C : 0.6°C	
				-100 ~ 600°C : 0.5°C	
	J	-200.0°C ~ 1200.0°C	600 ~ 1000°C : 0.4°C		
			-200 ~ -100°C : 0.6°C		
	T	-250.0°C ~ 400.0°C	-100 ~ 800°C : 0.5°C		
			800 ~ 1200°C : 0.7°C		
	N	-200.0°C ~ 1300.0°C	-250 ~ 400°C : 0.6°C		
			-200 ~ -100°C : 1.0°C		
	B	600°C ~ 1820°C	1°C	-100 ~ 900°C : 0.7°C	
			900 ~ 1300°C : 0.8°C		
L	-200.0°C ~ 900.0°C	0.1°C	600 ~ 800°C : 1.5°C		
			800 ~ 1820°C : 1.1°C		
U	-200.0°C ~ 600.0°C	0.1°C	-200.0 ~ 0.0°C : 0.7°C		
			0.0 ~ 900.0°C : 0.5°C		
THERMO RESISTANCE (RTD)	PT 100 385	-200.0°C ~ 800.0°C	0.1°C	-200.0 ~ 0.0°C : 0.3°C	By using temperature scale ITS-90. Excitation current : ±0.5-±3mA for Pt100, Cu10, add 0.5°C when excitation current is ±0.1mA-0.5mA; Excitation current :±0.05mA-±0.3mA for PT200, PT500, PT1000; Does not include lead resistance.
				0.0 ~ 400.0°C : 0.5°C	
				400.0 ~ 800.0°C : 0.8°C	
	PT 1000	-200.0°C ~ 630.0°C		-200.0 ~ 100.0°C : 0.2°C	
				100.0 ~ 300.0°C : 0.5°C	
				300.0 ~ 630.0°C : 0.7°C	
	PT 200 385	-200.0°C ~ 630.0°C		-200.0 ~ 100.0°C : 0.8°C	
				100.0 ~ 300.0°C : 0.9°C	
				300.0 ~ 630.0°C : 1.0°C	
	PT 500 385	-200.0°C ~ 630.0°C		-200.0 ~ 100.0°C : 0.4°C	
				100.0 ~ 300.0°C : 0.5°C	
				300.0 ~ 630.0°C : 0.7°C	
Cu10	-10.0°C ~ 260.0°C		-10.0 ~ 260°C : 1.8°C		
Cu50	-50.0°C ~ 150.0°C		-50.0 ~ 150.0°C : 0.6°C		

Note: All Specification are Subject to change without prior notice.



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