

INPUT : THERMOCOUPLE 'K'



- Resolution : 0.1/1°C
- Battery : Standard 9V
- Display : 3 ½ digit, 0.5" LCD with maximum reading of 1999
- Accuracy : $\pm 0.3\%$ of reading $\pm 1^\circ\text{C}$
-50°C ~ 1300°C
- Large variety of probes for all applications

SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

ELECTRICAL

Measurement range	-50°C ~ 1300°C
Resolution	1°C, 0.1 °C
Accuracy	$\pm 0.3\%$ of reading $\pm 1^\circ\text{C}$ -50°C ~ 1300°C
Temperature coefficient of accuracy	0.1 x (applicable accuracy) / °C
Display update rate	2.5 times per second

ENVIRONMENTAL

Ambient operating range	0 ~ 50°C
Storage temperature	-20 ~ 60°C
Relative humidity	0 ~ 90%

GENERAL

Display	3½ digit, 0.5" (12.7 mm) liquid crystal display (LCD) with maximum reading of 1999
Battery	Standard 9V battery (NEDA 1604, IEC 6F22)
Battery life	100 hours typical with carbon zinc battery
Dimensions (in mm)	130(H) x 66(W) x 17(D)
Weight	150 gm
Over range/Sensor break indication	Display will indicate 1
Battery replacement	"BAT" appears on the LCD display when replacement is needed See overleaf. These are to be ordered separately
Thermocouple probes	

ORDER CODE

2204

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Standard 'K' Thermocouple Probes To be ordered separately

Sr.No.	Description	Dia(mm)	Length(mm)	Tmax(°C)	Order Code	Application Details
1	General Purpose Immersion	4.5	300	800	KC11101110	Used for air & liquid immersion measurements
2	Quick Response Immersion	3	300	600	KC11021110	Small diameter & MI construction gives fast response in air & liquids
3	High Temperature Immersion	3	600	900	KB11031110	
4	High Temperature Immersion	4.5	600	1000	KB11051110	
5	High Temperature Immersion	6	600	1150	KB11041110	INCONEL 600 sheath & MI construction allows measurement in air & liquids upto 1150 °C. Not suitable for salt bath / molten metal / flue gas applications.
6	High Temperature Immersion	8	600	1150	KB11011110	
7	Teflon Coated Immersion	4	300	200	KC11061110	Special teflon coating allows use in corrosive acids & alkalies. Teflon coating : 0.5 mm thick
8	Needle Probe	1.5	150	600	KC11081110	Very small diameter MI thermocouple gives very fast response in air & liquids. Protective cap provided.
9	Prick Probe	4/3	50	400	KC11121110	For Molten rubber, frozen food, etc. Heavy duty construction.
10	Air Probe	8	300	400	KC10141310	For air or gas in ducts, chambers, etc. Perforated shield prevents radiation heating, very sensitive.
11	Leaf Surface Probe : 400 °C	8	100	400	KC10181310	Low mass ensures fast response for measuring flat surfaces. Protective cap provided.
12	Leaf Surface Probe : 600 °C	9.5	150	600	KC10211310	For flat surfaces upto 600 °C
13	Leaf Surface Probe : 800 °C	13	300	800	KC10201310	For flat surfaces upto 800 °C
14	Bow Curved Surface Probe	9.5	200	800	KC10241310	For static convex surfaces, rollers, etc
15	Spring Surface Probe	6	200	400	KC10261310	For small surfaces such as electronic components. Its very low mass ensures quick response even on non-metals. Also available straight or with 45° bend. Protective cap provided.
16	Smithy Probe	9.5	600	1200	KB10281310	For the temperature measurement of uneven metallic surfaces & ingots. Spring loaded elements ensure proper alignment & contact
17	Rotary Surface Probe	12	-	250	KC10301310	For moving plane surfaces & rotating convex as well as concave surfaces. Application details to be informed while ordering.

Consult us for other sheath lengths, etc.



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