



ENGLISH

Datasheet

Stock No. 123-2214

RS-1316

K.J.E.T.R.S.N. Data-Logger Thermometer



SPECIFICATIONS

Measuring Range	J - type: -150.0 to +1090.0°C (-200.0 to +1994.0°F) K - type: -150.0 to +1370.0°C (-200.0 to +1999.9°F) T - type: -150.0 to +400.0°C (-200.0 to +752.0°F) E - type: -150.0 to +870.0°C (-200.0 to +1598.0°F) N - type: -150.0 to +1300.0°C (-200.0 to +1999.9°F) R - type: 2.0 to +1767.0°C (+35 to +1999.9°F) S - type: 2.0 to +1767.0°C (+35 to +1999.9°F)
Display Resolution	J-, K-, T-, E-, and N-type : 0.1°C/°F/K R- and S-type : 1.0°C/°F/K (0.1°C/°F/K only for reference)
Measurement Accuracy	K, J, E, T, and N-Type : $\pm [0.05\% \text{ of reading} + 0.5^\circ\text{C} (0.9^\circ\text{F})]$ [below -100°C (-148°F) : add 0.15 % of reading for K-, J-, E-, and N-Type ; and 0.45% of reading for T-Type] R-and S-Type : $\pm [0.05\% \text{ of reading} + 2^\circ\text{C} (4^\circ\text{F})]$
Temperature Coefficient	0.01% of reading + 0.03°C per °C (0.06 °F per °F) outside the specified +18°C to 28°C (+64°F to +82°F) range [LCD ranging : below -100°C (-148°F) : add 0.04% of reading for K-, J-, E, and N- Type; and 0.08% of reading for T- Type]
Maximum Differential Common Mode Voltage	1V (Maximum voltage difference between T1 and T2)
Input Protection	20V maximum input voltage on any Combination of input Connector
Manual data memory capacity	98 sets
Continuous data logging capacity	4100 sets
Sampling Rate	1.5 secs/time
Operating temperature	0 to 50°C (32 to 122°F)
Operating humidity	Below 80% RH
Storage temperature	-10 to 60°C, 14 to 140°F
Storage humidity	Below 70% RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 80hours
Weight	Approx. 235g
Size	150×72×35mm
Accessories	Instruction manual, batteries, CD software and optical RS-232 to USB cable