



Data Sheet

RS – 1316

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

RS Stock No. 712-6033

FEATURE :

- Highly accurate thermometer with thermocouple K, J, E, T, R, S, N type.
- Dual input function T1/T2 temperature display.
- 4100 DataLogging capacity.
- 30 minutes Auto Power off.
- MAX/MIN with TIME, MAX–MIN AVG, HOLD function.
- °C / °F / K User-Selective.
- Back-Light LCD display.

SPECIFICATIONS :

Measuring Range	K - Type : -150.0°C to +1370.0°C (-200.0°F to +1999.9°F) J - Type : -150.0°C to +1090.0°C (-200.0°F to +1994.0°F) T - Type : -150.0°C to +400.0°C (-200.0°F to +752.0°F) E - Type : -150.0°C to +870.0°C (-200.0°F to +1598.0°F) R - Type : 2.0°C to +1767.0°C (+35°F to +1999.9°F) S - Type : 2.0°C to +1767.0°C (+35°F to +1999.9°F) N - Type : -150.0°C to +1300.0°C (-200.0°F 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 (According to ITS-90)	K, J, E, T, and N-Type : ± [0.05% of reading + 0.5°C (0.9°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 : ± [0.05% of reading + 2°C (4°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
Sampling Rate	1.5 time/sec
Operating/Storage Conditions	0°C to 50°C < 80% RH , -10°C to 60°C < 70%RH
Power Source	6 pcs size AAA Battery
Battery Life	Approx. 80hours.
Size & Weight	150x72x35mm & Approx. 235g
Accessories	Instruction manual, Batteries, CD software, and Optical RS-232 to USB cable.