

## KEW301

### Dual Channel Thermometer



#### PRODUCT DATA SHEET

#### KEW301 THERMOMETER

- Dual input channel
- Dual reading display
- PC interface
- Auto power off
- Resolution 0.1°C; 0.1°F
- Backlit LCD
- Max, Min & Ave. values
- Relative function
- Choice of T1, T2 or T1-T2 on main display
- Tripod connector on rear

#### ACCESSORIES

- 2 x K Type Bead Probe
- Battery
- Carrying case
- Instruction manual

#### OPTIONAL

#### SPECIFICATIONS

Numerical Display	4 digital liquid crystal display
Measurement Range	-200°C ~ 1370°C ; -328°F ~ 2498°F
Resolution	-200°C ~ 200°C 0.1°C 800°C ~1370°C 1°C -200°F ~ 200°F 0.1°F ; else 1°F
Maximum Voltage at Thermocouple Input	60V DC, or 24Vrms AC
Power requirement	9 Volt Battery, NEDA 1604 or JIS 006P or IEC6F22
Battery Life	Approx. 100hrs with alkaline battery
Sample Rate	0.6 times per second
Dimensions & Weight	184 x 64 x 30mm: 210g (approx)

#### ENVIRONMENTAL

Operating Temperature and Humidity	0°C to 50°C (32°F~ 122°F); 0 ~ 80% RH
Storage Temperature and Humidity	-10°C to 60°C (14°F ~ 140°F); 0 ~ 80% RH
Altitude	Up to 2000 meters

#### ACCURACY: AT (23 ± 5°C)

RANGE	ACCURACY
-200°C ~ 200°C	±(0.3% reading + 1°C)
200°C ~ 400°C	±(0.5% reading + 1°C)
400°C~1370°C	±(0.3% reading + 1°C)
-328°F ~ -400°F	±(0.5% reading + 2°F)
-200°F ~ 200°F	±(0.3% reading + 2°F)
200°F ~ 400°F	±(0.5% reading + 2°F)
400°F ~ 2498°F	±(0.3% reading + 2°F)

For T1-T2 Measurement, the accuracy is  
±( 0.5% T1-T2 reading + 2°C) or  
±( 0.5% T1-T2 reading + 2°F)

#### TEMPERATURE COEFFICIENT

For ambient temperatures from 0°C ~ 18°C and 28°C ~ 50°C, for each °C ambient below 18°C or above 28°C add the following tolerance into the accuracy spec.  
0.01% of reading + 0.03°C ( 0.01% of reading + 0.06°F )