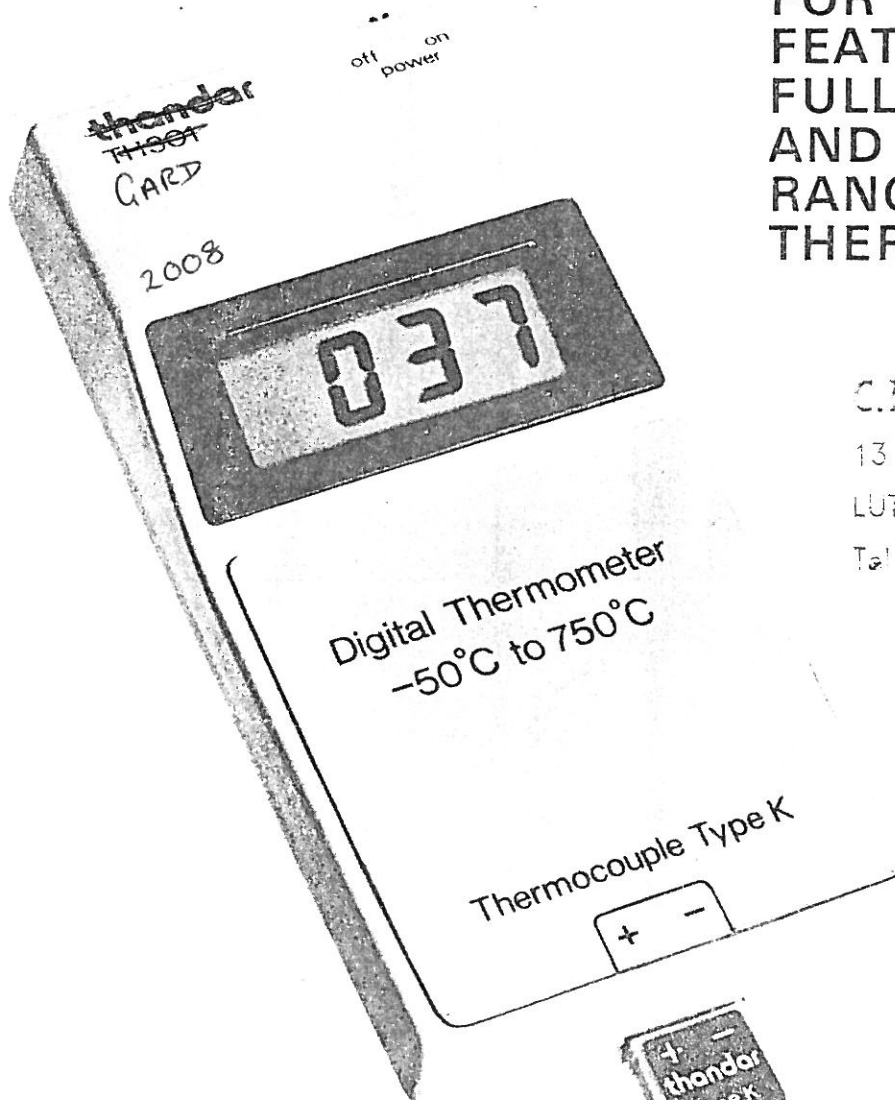


GARD 2008

thandar

TH301  
DIGITAL  
THERMOMETER

SEE OVERLEAF  
FOR NEW  
FEATURES,  
FULL SPECIFICATION  
AND OPTIONAL  
RANGE OF  
THERMOCOUPLES



C.R.P. Electronics Ltd.  
13 HAZELDURY CRESCENT,  
LUTON, BEDS. LU1 1DF  
Tel LUTON 411035

£ 59.50!

NO PART NO.  
UNDATED

# TH301 DIGITAL THERMOMETER

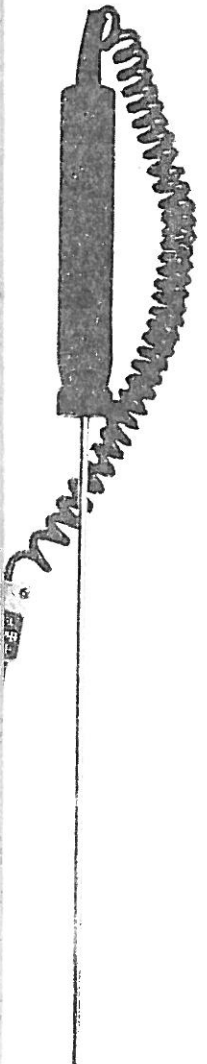
The TH301 is a hand-held LCD digital thermometer designed to accept any standard type K (NiCr-NiAl) sensor and offering a measurement range of -50°C to 750°C with 1°C resolution.

Accuracy is better than 0.5% and precision automatic cold junction compensation maintains specification over a wide ambient range.

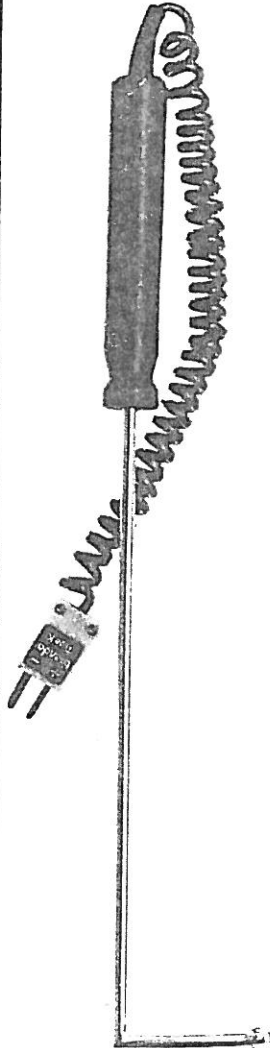
Battery life from the 9V alkaline battery supplied is in excess of 1000 hours and display indicators are provided for low battery condition and open circuit thermocouple.

The TH301 is fitted with a standard type K socket which will accept a wide variety of standard probes. A general purpose fast response naked-bead thermocouple is supplied with every instrument, which makes it completely ready for use at a price of only £59.50 + VAT.

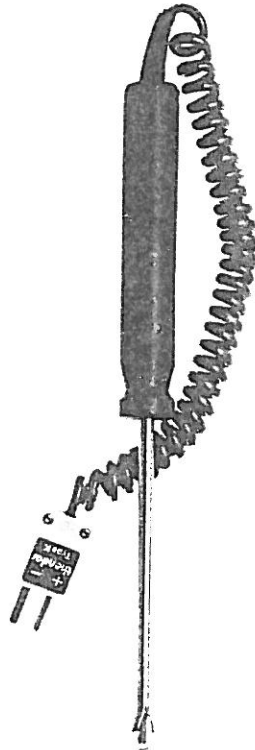
## RANGE OF OPTIONAL THERMOCOUPLES



Mineral Insulated  
°C 200 x 3 mm



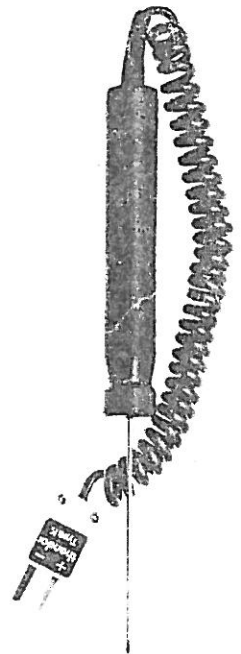
5BK Right Angle Surface  
750°C 200 mm



5AK Surface  
750°C 100 mm



5FKB Hypodermic  
600°C 100 x 3.2 mm



5FKA Hypodermic  
600°C 75 x 1.8 mm

General Purpose Naked

## TECHNICAL SPECIFICATION

Sensor Type	Thermocouple K (NiCr-NiAl)
Calibration Conformity	To BS4937 part 4 (1973), DIN 43710 and ANSI MC96.1
Measurement Range	-50°C to +750°C
Resolution	1°C
Accuracy	± (0.5% of reading + 1°C), 18°C to 28°C ambient
Environmental Operating Range	0°C to +50°C, ≤ 80% RH
Environmental Storage Range	-40°C to +60°C (with alkaline battery), ≤ 75% RH
Accuracy Temperature Coefficient	18°C to 28°C: included in accuracy specification. ≤ 18°C, ≥ 28°C: typically ± (0.01% of reading + 0.05°C) per °C, including cold junction stability
Input Impedance	10MΩ
Maximum Allowable Input Voltage	100V DC or AC peak between inputs
Maximum Common Mode Voltage	500V DC or AC peak
Lead Resistance	1kΩ causes no error
Open-circuit Sensor Indicator	▲ shows in display when sensor is open-circuit
Power Requirements	One 9V alkaline or zinc carbon battery
Battery Life	≥ 1000 hours from an alkaline battery such as UCAR 522 or Mallory MN 1604.
Low Battery Indicator	BAT shows in display when typically 25 hours of battery life remain
Dimensions	155 x 75 x 30 mm
Weight	200 gms including alkaline battery



**thandar**  
Electronic Test & Measurement

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