

# Thermometers

## Digital Thermometers, C2000 Series

A range of compact, high accuracy, microprocessor controlled digital thermometers offering enhanced specifications at a competitive price.

- ◆ Choice of Pt100 or thermocouple sensor input models
- ◆ Waterproof, rugged ABS casing to IP67 standard
- ◆ Very wide ambient temperature operating range, -30 to +50°C
- ◆ High contrast LCD and user-friendly keypad operation
- ◆ Secondary display feature on Models C2010, C2020 and C2050
- ◆ Thermocouple sensor models feature user selection of probe type input via the keypad (types K, J, E, T, R or N thermocouples selectable)
- ◆ Dual input thermocouple model available with differential display (Model C2020)
- ◆ Open circuit sensor detection and "low battery" warning featured on all models

### Range Specifications

Sensor input		Measurement ranges* °C	Accuracy °C (at ambient 23°C)
Thermocouples	K	-200 to +1372	±0.2 ±0.15% of reading
	J	-200 to +1200	±0.2 ±0.15% of reading
	E	-200 to +1000	±0.2 ±0.15% of reading
	T	-200 to +400	±0.2 ±0.15% of reading
	R	-50 to 200	±0.8 ±0.6% of reading
	N	>+200 to +1767	±0.8 ±0.3% of reading
Pt100		-200 to +850	±0.2 ±0.1% of reading

\* These are the display capabilities of the instruments only, measurable range will depend on the thermocouple probe used - please contact us if you require a probe for use outside our standard range.

### General Specifications

Model	C2000	C2010	C2020	C2050
Sensor inputs	K, J, E, T, R, N	K, J, E, T, R, N	K, J, E, T, R, N	Pt100
Temperature scales	°C, °F	°C, °F, °A	°C, °F, °A	°C, °F, °A
Resolution °C, °F, °A	0.1 (range 1000), 1 (range >1000) — all models			
Additional features	—	Max./min. Hold	Twin inputs, Difference, Hold	Max./min. Hold
Power	9V PP3 Alkaline battery — all models			
Dimensions W x D x H mm	70 x 130 x 33 — all models (meter only)			

### Digital Thermometer, Model C2000

Budget level, general purpose instrument for use with thermocouple sensor probes. °C or °F display selectable. Supplied with rubber surround, 9V battery and instructions. Without sensor probe.

**TJ105-10** C2000

### Digital Thermometer, Model C2010

Generally as TJ105-10 but with additional °A display selection and max./min./hold feature on a secondary display whilst real-time measurement continues on the primary display. Without sensor probe.

**TJ105-20** C2010

### Digital Thermometer, Model C2020

For direct or differential measurement applications. Generally as TJ105-20 but with dual thermocouple inputs. Simultaneous display of both inputs or differential measurement reading on the primary display, whilst input 1 readings continue on the secondary display (thermocouple inputs must be of the same type). A hold facility is also provided. Without sensor probes.

**TJ105-30** C2020

### Digital Thermometer, Model C2050

High accuracy Pt100 thermometer with long-term stability, four wire system, °C, °F, °A display selection, max./min./hold feature with secondary display. Without sensor probe.

**TJ107-25** C2050

**BL610-25** Spare 9V battery

Accessory sensor probes – see following page.

