



digitron

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dig.16

Digital Thermometers 2000 Series



Built for speed, accuracy and performance at an affordable price, the robust 2000 series of hand-held digital thermometers provides a range of enhanced features to meet the changing demands of both industrial and food environments.

The rugged 2000 Series provides precise, stable readings and high accuracy even in the harshest of environments. They are simple to operate, fast, reliable and built to last.

In this unique range we can offer advanced features such as logging and dual input instruments which combined with interchangeable probe options makes this series a leader in its field. Optional coloured rubber boots add protection and style to these multi-functional instruments.

Key Features

- Logging mode – enabling retrieval and output of readings
- Long battery life – typically 500 hours
- Accurate performance – 0.2% of reading
- Robust Case – Ensuring long life in demanding and harsh environments
- Selectable auto switch-off – saves on operational costs
- Automatic zero calibration – for added accuracy

Applications

- Industrial
- Food Service
- Catering
- Food Processing

Optional Extras

- 2000BT – Protective Rubber Sleeve
- Carry Case
- Various Probe Options
- Calibration Certificate
- Digilink Logging Interface
- Software



2000T





Digital Thermometers 2000 Series

Specification

Resolution	0.1° from -199.9°C to +199.9°C/-199.9°F to +392.0°F 1°C elsewhere					
Ambient Operating Temperature	-10°C to +50°C/+14°F to +122°F (ambient)					
Battery Type	Two AA or equivalent cells (not supplied)					
Battery Life	Typically 500 hours					
Low Battery Check	Symbol appears on display					
Display	12.7mm / 0.5" custom L.C.D.					
Sensor Open Circuit	Indicated by 'O-C' on display					
Overrange/Underrange	'Out' displayed					
Cold Junction Compensation	Yes					
Environmental Specifications	IP65 (IP67 optional)					
Auto Switch-Off Time	12 minutes					
Dimensions	155 x 67 x 40mm/6.1 x 2.6 x 1.6"					
Weight	180g/6.4oz					
Model Options	2000T	2006T	2024T	2046T	2029T	2038T
Sensor Type	K	T	Pt100	Thermistor	KT JNRS KT	JNRS
Connector Type	2 pin mini	2 pin mini	TCM screw	Plug	2 pin mini	2 pin mini
°C/°F Function*			•		•	•
Hold Function	•	•	•	•	•	•
Range Lock			•		•	•
Max/Min			•		•	•
Averaging			•			
Differential Input						•
Accuracy	2000T	0.1% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ above $-100^{\circ}\text{C}/-148^{\circ}\text{F}$ 0.5% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ below $-100^{\circ}\text{C}/-148^{\circ}\text{F}$				
	2006T	$\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ over range -20°C to $+70^{\circ}\text{C}/-4^{\circ}\text{F}$ to $+158^{\circ}\text{F}$ $\pm 0.1\%$ rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ elsewhere				
	2024T	$\pm 0.2\%$ rdg $\pm 0.1^{\circ}\text{C}/0.2^{\circ}\text{F}$ over range -150°C to $+800^{\circ}\text{C}/-238^{\circ}\text{F}$ to $+1472^{\circ}\text{F}$				
	2046T	Better than $\pm 0.5^{\circ}\text{C}/0.9^{\circ}\text{F}$ over range -20°C to $+70^{\circ}\text{C}/-4^{\circ}\text{F}$ to $+158^{\circ}\text{F}$ $\pm 0.8^{\circ}\text{C}/1.4^{\circ}\text{F}$ elsewhere				
	2029T	0.1% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ above $-100^{\circ}\text{C}/-148^{\circ}\text{F}$ 0.5% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ below $-100^{\circ}\text{C}/-148^{\circ}\text{F}$				
	2038T	0.1% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ above $-100^{\circ}\text{C}/-148^{\circ}\text{F}$ 0.5% rdg $\pm 0.2^{\circ}\text{C}/0.4^{\circ}\text{F}$ below $-100^{\circ}\text{C}/-148^{\circ}\text{F}$				
Range	2000T	-200°C to $+1350^{\circ}\text{C}/-328^{\circ}\text{F}$ to $+2462^{\circ}\text{F}$		2029T/ 2038T T	-250°C to $+400^{\circ}\text{C}/-418^{\circ}\text{F}$ to $+752^{\circ}\text{F}$	
	2006T	-250°C to $+400^{\circ}\text{C}/-418^{\circ}\text{F}$ to $+752^{\circ}\text{F}$		2029T/ 2038T J	-750°C to $+750^{\circ}\text{C}/-1318^{\circ}\text{F}$ to 1382°F	
	2024T	-150°C to $+800^{\circ}\text{C}/-238^{\circ}\text{F}$ to $+1472^{\circ}\text{F}$		2029T/ 2038T N	-200°C to $+1300^{\circ}\text{C}/-328^{\circ}\text{F}$ to $+2372^{\circ}\text{F}$	
	2046T	-40°C to $+120^{\circ}\text{C}/-40^{\circ}\text{F}$ to $+248^{\circ}\text{F}$		2029T/ 2038T R	0°C to $+1750^{\circ}\text{C}/+32^{\circ}\text{F}$ to 3182°F	
	2029T/ 2038T K	-200°C to $+1350^{\circ}\text{C}/-328^{\circ}\text{F}$ to $+2462^{\circ}\text{F}$		2029T/ 2038T S	0°C to $+1750^{\circ}\text{C}/+32^{\circ}\text{F}$ to 3182°F	

