Tinytag Instrument Thermocouple
TGI-3250

Issue 10: 8th Sept 2003
E&OE

Mechanical Data

Case Style	Instrument
Height	82mm / 3.3”
Width	65mm / 2.6”
Depth	40mm / 1.6”
Mounting holes	4.2mm / 0.16” diameter 70mm / 2.8” separation

Features

No. of Readings	16000 (approx)
Memory Size	32k (Non-volatile)
Resolution	12 bit
Delayed Start	Relative / Actual up to 45 days
Stop Options	When Full After n Readings Never (Wrap around)
Reading Types	Actual, Min, Max.
Logging Interval	1 sec to 10 days
Offload	While stopped or when logging in minute multiples
Alarms	Two, fully Programmable
Functional Range[1]	-40°C → +85°C / -40°F → +185°F
IP Rating	IP20 Rugged
Battery Life	Up to 3 years
Offload Speed	Approx 30 Seconds
Offload Method	Inductive

Note:
[1] Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

Sensor Detail

Range	-10°C to +1200°C 14°F to 2192°F
Sensor	‘K’ Type Thermocouple probe
Resolution	<0.4°C, -10°C → 1200°C
Response Time	Sensor dependent
Logger Accuracy	± 2°C / ± 35.6°F From -10°C → 500°C ± 4°C / ± 39.2°F From 500°C→ 1200°C

The unit includes cold junction temperature compensation.
This unit is supplied with a 2-pin IEC 584 plug for 'K' type thermocouple.

Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO 9001:2000 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1:1992 with any standard leads or probes supplied.

Special Notes

Battery replacement recommended every 2 years. We recommend using only batteries supplied through your Tinytag distributor.

When being used at low temperatures units should be allowed to warm to room temperature before they are opened to prevent condensation damaging the data logger.

Interface Information and Related Products

To use your Tinytag Data Logger you will require:
Tinytag Pad base station (ACS-3020), PC with GLM (SWCD-0009), Easyview Pro (SW-0500) or Easyview Lite (SW-1500).

You will also require a standard ‘K’ type thermocouple with miniature IEC 584 thermocouple connector.

Further Related Products:

SER-9570	Tinytag Instrument Service Kit including battery, seal and silica gel pack.
ACS-9750	'K' Type thermocouple plug (one supplied with each logger).