

Tinytag Data Loggers Great Versatility

Over 60 models available to suit a wide range of applications

Tinytag

**Temperature
Range H**

-30°C → +50°C (-22°F → +122°F)

Transit

Product Guide

DATA COLLECTION & RETRIEVAL • TEMPERATURE • HUMIDITY • SHOCK • VIBRATION • COUNT • VOLTAGE • CURRENT



Gemini


Gemini and Tinytag - your best choice

Because Gemini Data Loggers specialises in battery powered recording equipment we have gained a proven track record across a broad range of industries over the last twelve years.

Our Products, Tinytag and Tinyview, come with a wide range of temperature and humidity sensors and accessories to suit many applications and budgets. Our products work seamlessly with software designed by Gemini for our own dataloggers.

Tinytags can also be supplied for hazardous areas or with industry standard inputs for customer's own sensors.

- Gemini are Europe's leading battery powered datalogger specialists - the product Tinytag has a well known, proven track record of success
- We aim to provide delivery from stock, with minimal fuss and maximum support to our customers and distributors
- We have the largest dedicated datalogger development team in Europe
- Product stated accuracy and resolution can be relied on

 Watch out for this symbol - it indicates loggers using our new Inductive technology which provides fast, easy communication without opening the Tinytag.

Tinytag Transit

NEW



- Light weight
- Low cost
- Small size
- Temperature only
- Inductive technology
- Fast data transfer

Specially designed for monitoring temperature in difficult locations such as small packages, underwater and in high temperature areas.

TG-0050

Internal Temperature Range
-30°C → +50°C

TG-3080

Internal Temperature Range
-40°C → +85°C

TG-3100

Internal Temperature Range
(Fully encapsulated)
-5°C → +45°C (Aquatic)

TG-3110

Internal Temperature Range
(Fully encapsulated)
-10°C → +125°C (High Temp)

ACS-3010

Transit Pad
(for use with TG-3080,
TG-3100, TG-3110)

CAB-0005

Cable Part
(for use with TG-0050)

Transit Pad (base station)



Tinytag Ultra



- Custom design
- Budget price
- Condition monitoring
- 7900 readings

Designed for enclosed environmental monitoring. When hanging, the sensor is afforded good protection from water and dust.

TGU-0017

Temperature with Internal Sensor -40°C → +85°C

TGU-0020

Temperature External Probe
-40°C → +125°C

TGU-0050

Temperature with Internal Sensor -30°C → +50°C

TGU-0073

Temperature External Probe
-30°C → +50°C



TGU-0104

PT100 Temperature External Probe -50°C → +300°C

TGU-0304

Relative Humidity 0 → 95% RH

TGU-1500

Dual Channel with Internal Temperature -30°C → +50°C & Relative Humidity 0 → 95% RH

TGU-1510

Dual Channel with Internal Temperature -30°C → +50°C & External Probe -40°C → +125°C

TGU-1515

Dual Channel with Internal Temperature -30°C → +50°C & External Probe -30°C → +50°C



Ultra 2K

TGU2K-0017

Temperature with Internal Sensor -40°C → +85°C

TGU2K-0020

Temperature External Probe
-40°C → +125°C

TGU2K-0050

Temperature with Internal Sensor -30°C → +50°C

TGU2K-0073

Temperature External Probe
-30°C → +50°C

TGU2K-0104

PT100 Temperature External Probe -50°C → +300°C



Tinytag eXtra

NEW




Waterproof
New case design
Inductive technology
Fast data transfer
7900 readings

Tinytag Plus





IP-68
Versatile
Feature packed
16,000 readings

Suitable for the food and associated industries including HACCP.

TGX-3080 
 Internal Temperature
 -40°C → +85°C

TGX-3020 
 Range G for standard probe
 -40°C → +125°C

TGX-3520 
 Dual Channel Temperature for 2 External Probes
 -40°C → +125°C

TGX-3580 
 Temperature/Relative Humidity
 -30°C → +85°C/0 → 100% RH

Designed for very tough locations where most loggers would be easily damaged. They are also ideal for external environmental monitoring due to their waterproofing, and large sensor range.

TGP-0017
 Temperature with Internal Sensor -40°C → +85°C

TGP-0020
 Temperature External Probe
 -40°C → +125°C

TGP-0050
 Temperature with Internal Sensor -30°C → +50°C

TGP-0073
 Temperature External Probe
 -30°C → +50°C

TGP-0104
 PT100 Temperature External Probe -50°C → +300°C

TGP-0204
 PT1000 Temperature External Probe -200°C → +100°C

TGP-0304
 Relative Humidity 0 → 100% RH

TGP-0605
 Shock range 0 → 5g

TGP-0610
 Shock range 0 → 100g



TGP-0650
 Vibration range 0 → 50mm/s

TGP-0940
 Light with range 0 → 200,000 LUX

TGP-1500
 Dual Channel with Internal Temperature -30°C → +50°C & Relative Humidity 0 → 100%RH

TGP-1510
 Dual Channel with Internal Temperature -30°C → +50°C & External Probe -40°C → +125°C

TGP-1515
 Dual Channel with Internal Temperature -30°C → +50°C & External Probe -30°C → +50°C

TGP-1520
 Dual Channel Temperature for 2 External Probes -40°C → +125°C

Tinytag IS

- **Safe**
- **Waterproof**
- **Approved to EEx ia IIC**
T4 ($T_{amb} = 40^{\circ}\text{C}$)
T3 ($T_{amb} = 75^{\circ}\text{C}$)

Approved by SIRA for use in hazardous environments. They provide a safe method for temperature and humidity monitoring.

TGIS-0017
 Temperature with Internal Sensor -40°C → +85°C



TGIS-0020
 Temperature External Probe
 -40°C → +125°C

TGIS-0304
 Relative Humidity 0 → 100% RH




Tinytag Instrument


NEW




High accuracy
New rugged case
Waterproof
Inductive technology
Fast data transfer
16,000 readings

The new instrument range is designed for people who demand high accuracy, top performance and strength. Uses our new Inductive technology and a new "rugged" case.

- TGI-3080** 
Temperature with Internal Sensor -40°C → +85°C

- TGI-3140** 
Temperature External Probe PT100 -50°C → -600°C

- TGI-3250** 
Thermocouple
-10°C → +1200°C

Tinytag Plus Re-ed

- Re-definable tables
- Sensor power supply
- OEM version
- IP-68 version
- 16K memory

Designed for the specialist who wishes to attach his own sensor and modify the logger to match. Industry standard inputs, power up signals and case styles provide variants for many different applications.



- TGPR-0700 (PCB only)**
Volt Monitoring Ranges
0 → 2.5/10/25v

- TGPR-0704**
Volt Monitoring Ranges
0 → 2.5/10/25v

- TGPR-0705 (XP)**
Records in minutes with a range
0 → 2.5/10/25v

- TGPR-0800 (PCB only)**
Measures milliamps with a range 0 → 20mA

- TGPR-0804**
Measures milliamps with a range 0 → 20mA



- TGPR-0805 (XP)**
Records in minutes with a range
0 → 20mA

- TGPR-1000 (PCB only)**
Measures millivolts with a range
0 → 200mV

- TGPR-1001**
Measures millivolts with a range
0 → 200mV

- TGPR-1002 (XP)**
Records in minutes with a range
0 → 200mV

- TGPR-1200 (PCB only)**
Counts to a range
0 → 255 pulses per interval

- TGPR-1201**
Counts to a range
0 → 255 pulses per interval

Tinyview



Visual display
Food grade material
Calibration reminder option
16,000 readings

Tinyview is ideal for applications where viewing the current reading is vital, including freezers, chilled cabinets and warm plates. Manufactured from food grade materials.

- TV-0020**
Temperature External Probe
-40°C → +125°C

- TV-0050**
Temperature with Internal Sensor -30°C → +50°C

- TV-0073**
Temperature External Probe
-30°C → +50°C

- TV-0076 Stab Sensor**
Temperature -30°C → +50°C

- TV-0104**
PT100 Temperature for External Probe -50°C → +300°C

- TV-0204**
PT1000 Temperature for External Probe -200°C → +100°C

- TV-0304**
Relative Humidity 0 → 100% RH

- TV-1500**
Dual Channel with Internal Temperature -30°C → +50°C & Relative Humidity 0 → 100% RH

- TV-1501***
Dual Channel with Internal Temperature -30°C → +50°C & Relative Humidity 0 → 100% RH (Grey case)

- TV-1505***
Dual Channel
Temperature -30°C → +50°C & Relative Humidity 0 → 100% RH ext sensor

- TV-1506***
Dual Channel
Temperature -30°C → +50°C & Relative Humidity 0 → 100% RH ext sensor (Grey case)

- TV-1510**
Dual Channel with Internal Temperature -30°C → +50°C & External Probe -40°C → +125°C

- TV-1515**
Dual Channel with Internal Temperature -30°C → +50°C & External Probe -30°C → +50°C

*Not food grade material





PC Download cables

- CAB-0007**
Tinytag/Tinyview cable

- CAB-0005**
Tinytag Transit cable

- CAB-0527**
Transit to Tinytag Converter

- ACS-3010** 
Transit Inductive pad

- ACS-3020** 
eXtra/Instrument Inductive pad

GLM



The powerful, simple to use software for all Tinytag data loggers. Used to start units recording, offload and analyse data.

User friendly, Windows based, GLM guides users through the available features. All data can be copied to other Windows based applications, allowing speedy preparation of reports etc.

Standard features include:

- Dynamically linked windows

GLM international software

- Unique "time/data" step through feature
- Automatic detailed statistics

New features

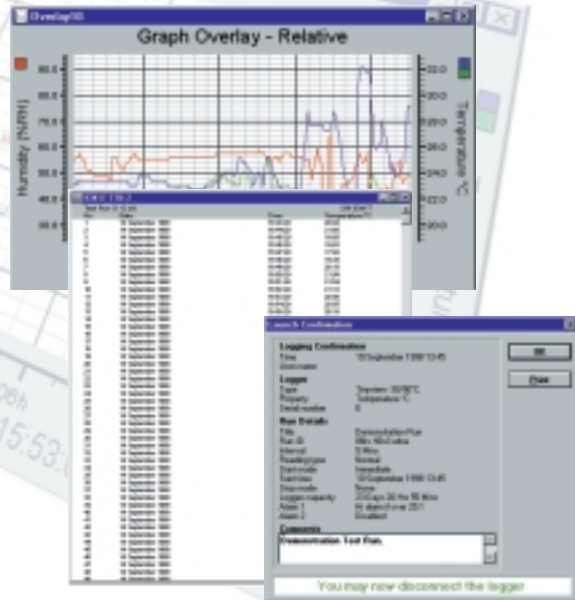
- Support for new Inductive loggers
- Moveable calculation lines which provide more flexible statistics

SWCD-0009

GLM International full version

SWCD-0010

GLM International upgrade/demo version
Or Free from the Web Site



New Palm Software (PLM)

NEW

Looking for a mobile solution?

Gemini can now supply software for the Palm™ range of handheld units. This software has been written to enable customers to easily offload loggers in remote or difficult locations. Once on the Palm device, the saved data is taken back to a PC where, following a HotSync® operation, the data can be viewed using GLM software in the normal way.

SWPK-0401

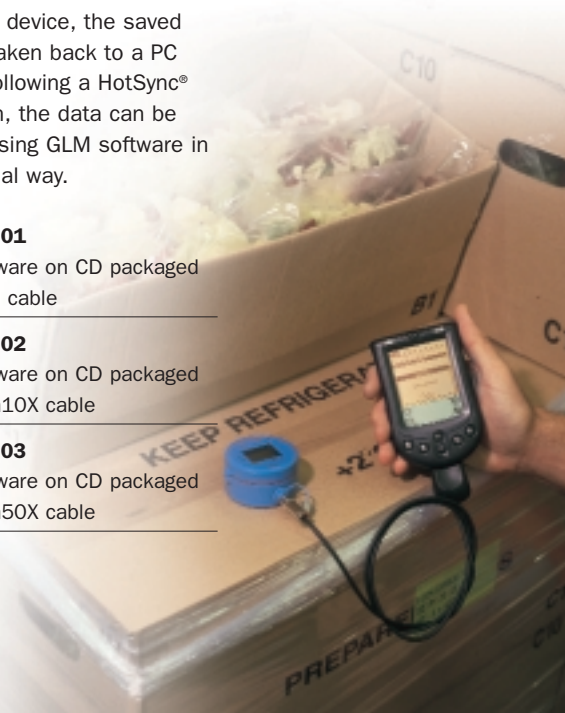
PLM software on CD packaged + Palm III cable

SWPK-0402

PLM software on CD packaged + Palm m10X cable

SWPK-0403

PLM software on CD packaged + Palm m50X cable



Re-Educator Version 2.3

Re-Educator has been designed for use with the Tinytag Plus Re-ed range of data loggers (mV, mA, Volt and Count) to give the greatest possible flexibility to customers. Re-Educator allows you to attach industry standard sensors and record in appropriate units of measurement.

The software can be used to:

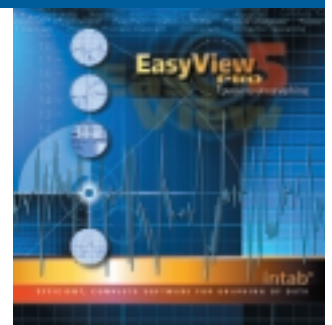
- Change parameter names and units of measurement within the data logger.
- Add or modify the response curve algorithm to match that of a chosen sensor.
- Lock certain settings from GLM users to ensure correct use of a specific sensor, or to enhance security.

EasyView

EasyView Pro v5 by Intab Interface

EasyView is a powerful solution for data acquisition and evaluation. It will launch and accept data directly from Tinytag loggers and will also read the data files created when using the GLM software.

It can perform many advanced tasks such as carrying out specified calculations with the data and showing signals as functions of another signal, as well as allowing the data to be presented in a number of ways such as histograms, real-time graphs, and on process diagrams.



Further information and a demonstration version of the software are available from Intab's website:

<http://www.intab.se>

SW-0500

Easyview software for Tinytag and Tinyview Plus dataloggers

Calibration Service



Gemini offers a Calibration and Service facility for customers with new and used Tinytag data loggers.

New Tinytags may be ordered with a full calibration certificate.

Customer's Tinytags may be returned for calibration service, which includes new batteries, seals, other appropriate parts, a full check over and calibration certificate. This service is designed to keep Tinytags in peak operating condition.

For validation and traceability purposes, Gemini supplies temperature, humidity, current and voltage data loggers with UKAS traceable calibration certificates.

Standard certificates are issued at two agreed points across the Gemini test range.

- Temperature data loggers can be calibrated in the range -20°C to +150°C
- Humidity data loggers can be calibrated in the range 20% to 90%RH (at 25°C)
- Current and Voltage data loggers can be calibrated at any two points across their specified range

Extra calibration points can be specified.

CAL-9000
Initial Calibration

CAL-9001
Extra points

CAL-9002
Service Calibration

CAL-9003
Initial Calibration Dual Channel

CAL-9004
Service Calibration Dual Channel

Probes, Sensors and Accessories



Mix and match probes for external units
Suitable for many applications
Special probes to order

All TINYTAG and TINYVIEW units suitable for external sensors can be matched with a wide range of probes, and are available for a variety of applications.

PB-4724
Temperature Probe for use with Tinytag/Tinyview G/H with accuracy of $\pm 0.2^\circ\text{C}$ (0 \rightarrow 70°C)
Measuring range -40°C \rightarrow +125°C

PB-4730
Pencil Point Probe for use with Tinytag/Tinyview G/H with accuracy of $\pm 0.2^\circ\text{C}$ (0 \rightarrow 70°C)
Measuring range -40°C \rightarrow +125°C

PB-4750
Armoured Probe for use with Tinytag/Tinyview G/H with accuracy of $\pm 0.2^\circ\text{C}$ (0 \rightarrow 70°C)
Measuring range -40°C \rightarrow +125°C

PB-4770
Surface Probe for use with Tinytag/Tinyview G/H with accuracy of $\pm 0.2^\circ\text{C}$ (0 \rightarrow 70°C)
Measuring range -40°C \rightarrow +125°C

PB-3225
PT100 Probe for use with TGP-0104 and TGI-3140 loggers with accuracy of $\pm 0.4^\circ\text{C}$ @ 0°C
Measuring range -50°C \rightarrow +300°C

PB-3230
PT1000 Probe for use with TGP-0204 loggers with accuracy of $\pm 0.4^\circ\text{C}$ @ 0°C
Measuring range -200°C \rightarrow +100°C

ACS-5000
Audible alarm box



ACS-5050
Weather screen (Stevenson type)

ACS-5100
Vandal proof box for external use

Gemini

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