





a logging products designed for outdoor and industrial use. nat forms a robust data network that allows a user to see cross a LAN or the Internet.

ta logger that is ideal for high temperature monitoring in a

Popular Applications

Use for high temperature monitoring in:

- Industrial processes
- Food processing

This logger can also be used with third-party PT100 sensors.







Readthg Spggifidations

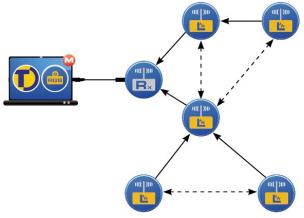
Then pGR Fu44 02 is a battery powered, temperature radio data logger.

Readiantg Raggeris used with two PT160 \@des@@a1@a(a2)uitable for measuring Seemsona Tuype up to 600°C. PT100 (external probe, 3-wire)

Semsonal Type up to 600°C. PT100 (external p Logger Resolution 0.02°C or better

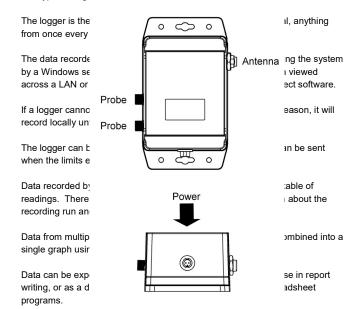
Tempegature (Stability) art of a Tinytag) Od6n@@CGsystemgthfatore@files a receiver and the Connect version of the Tinytag Explorer software. Logger Accuracy

After the installation of the software and the configuration of the receiver, the Ibgg of the help of the after the after the help of the help of the help of the help of the accuracy of the unit.



Connections

The typical range of the logger on a clear line of eight is 200m









Playtsicas Specification

Poinutes to 10 days

Off-line storage Capacity* 2 weeks typical, at a 10 minute logging

Operational Range* i2@f@db +55°C

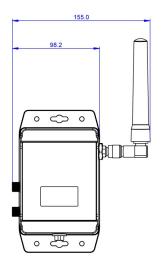
Case Dimensions (excluding antenna)

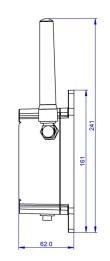
Data negatifies to be set to record in intervals of 490 the every 2 minutes or gravitating the logging intervals 5 man 100 of 0 the every 10 minutes).

Depth 62mm / 2.44"

Weightathincontenunia)ations are goods24g1/a18.82ccsmitted immediately and stored by the gateway service.

*The Operational Range indicates the physical limits to which the unit can be
WHRERECOMMUNICATIONS with the gateway service are interrupted, by a power failure to the computer running the gateway service or an obstacle causing a





can be used to send Sivis messages using th

Mounting/Positioning Instructions Radio Specification

The logger can be wall mounted or placed
Radio Frequency 869.88M
on its back on a rist surface AUS 917.8MF
Radio Power EU <5mW (AUS <3mW (-

Radio Gens back-plate has mounting 00m, ty Radio License SRD lice notes, as shown.

The logger uses FSK modulation, with +/-32 l

These frequencies will easily penetrate most be reduced to between 30% and 80% (howevincreased, maybe up to double the nominal r_{ℓ} and roofs etc.).

Although the radio waves cannot penetrate a iron sheds etc.) the signal will often still get th windows and air vents etc.
The logger can also be positioned on a non-

The logger can also be positioned on a nonthree testing of the companies of the companies

coneductive quent autor wary's big in years once on Bredifficant but the citare both not deriven by, a full or bottled water for example.

The advantage of the mesh network is that lo ranges will often be able to relay data though transmit further.











Power Information

Battery Power

Battery Type 2 x Duracell Industrial ID1400

C (LR14) 1.5V (supplied)

The logger will operate with other C cell batteries but performance cannot be guaranteed.

Battery Life

Typically 12 months

When the logger's batteries start to run flat, a low battery warning will be displayed in the Tinytag Explorer Connect software and the LED on the front of the logger will flash red. The low battery warnings will start to flash when the logger has approximately two weeks of battery power remaining.

Before replacing batteries the logger must be turned off.

Alkaline batteries should always be replaced in pairs.

Data stored in the radio system will be retained after batteries are replaced.

A lithium battery powered version of the logger is also available, that provides a wider working temperature range and a longer battery life. Please contact your supplier for further details.

The logger can also be powered from the mains using a plug-in power supply.

If the power supply is interrupted, the logger's batteries will power the logger and continue recording until the supply is restored.

Note: This logger should only be used with an ACS-0044 Tinytag Plus Radio power supply.

Calibration

This logger is configured to meet Gemini's quoted accuracy specification during its manufacture

We recommend that the calibration of this unit should be checked annually

A traceable certificate of calibration can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a Service Calibration.

Warranty

This product carries a manufacturing defects warranty of 12 months from the date of purchase. Units returned under warranty will be repaired or replaced at the manufacturer's discretion. This warranty does not cover mishandling, modification or battery replacement and is subject to our standard Terms and Conditions of Sale, a copy of which can be found at www.tinytag.info.

