







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 low temperature monitoring in a

Popular Applications

For low temperature monitoring in:

- Freezers and cryogenic applications
- Industrial processes
- Laboratories and research

This logger can also be used with third-party PT1000 sensors.



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Readthg SpggifidAllooks

 $\label{eq:constraint} \textbf{Then} \ensuremath{\overline{\textbf{PGREu42}}} 01 \text{ is a battery powered, temperature radio data logger.}$

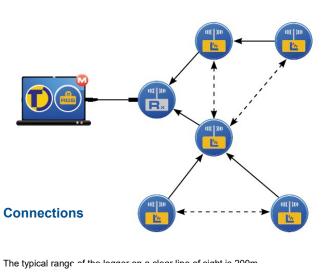
 Reading Regge is used with two PT1200°p2dbes1002it2a(ac2)uitable measuring

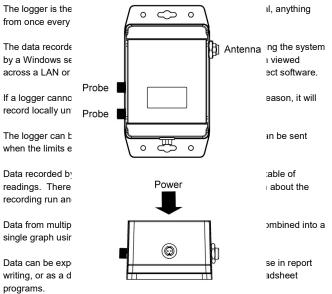
 Semson: Type down to -200°C.
 PT1000 (external probe, 3-wire)

 Logger Resolution
 0.01°C or better

Tempegatuke Stability art of a Tinyta@.00/n0/e@ synatege thematpinges 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 Ibgorspharetwore the amresemblishes the IrBs part when used to the amresemble to the accuracy of the unit.











Playsicas Specification

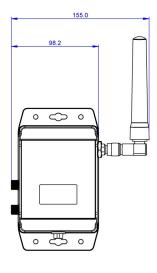
IPoBgthgpInterval Off-line storage Capacity*	ው በ days 2 weeks typical, at a 10 minute logging	
Operational Range*	i20tenQato +55°C	
Case Dimensions (excluding antenna)		
Data hogg His ight be set to record in paternals of agree every 2 minutes or		

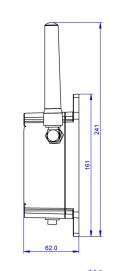
gr Width by default the logging interval 55 met #60 met val 10 minutes). 62mm / 2.44"

Depth

Weighta (time cantennia) ations are good 2 at atis. 82 or mitted immediately and stored by the gateway service.

*The Operational Range indicates the physical limits to which the unit can be $\ensuremath{\mathfrak{R}}\xspace{\ensuremath{\mathfrak{R}}$ failure to the computer running the gateway service or an obstacle causing a





can be used to send Sivis messages using it Mounting/Positioning Instructions Radio Specification

The logger can be wall n	nounted or	placed
Badio Erequencia dat surfa	EU ch	869.88M
shalf	AUS	017.8MF
Radio Power	EU	<5mW (-
	AUS	<3mW (-
Radio Genge ack-plate has mounting 00m, ty Radio License. SRD lice		
Radio License		SRD lice

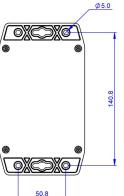
The logger uses FSK modulation, with +/-32 I

These frequencies will easily penetrate most be reduced to between 30% and 80% (howev increased, maybe up to double the nominal ra 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-

aussion of the series of the s preblewithus tarceigna position egevenneuty, a With no bettled water for example.

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







BERMAN Termómetros e Instrumentación S.L. ventas@e-berman.info telf.93 263 24 50









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.

Mains Power

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 against a calibrated reference meter.

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.

