

TinyTag Radio Logging System



The Tinytag radio loggers allows for easy monitoring of temperature and relative humidity from your desk top.

Rating: Not Rated Yet

Price

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Description

Tinytag radio system provides automatic temperature and relative humidity monitoring using wireless communication. The system consists of a receiver connected to a PC and a number of radio loggers forming a mesh network.

Tinytag Radio Receivers

The Tinytag Radio receivers manage the flow of data received from the loggers to the computer running the radio gateway. The receiver is normally powered by the computer it is connected to via the USB cable. However in the event of the computer being off or during a power failure, a backup battery will provide the receiver with power.



Features:

- Self configuring for easy installation
- 200m range, typical (line of sight)
- Waterproof case (IP67)
- Software and LED low battery warning
- User-replaceable battery

TinyTag Loggers

Tinytag loggers collect data and transmit it back to the radio gateway. When turned on, the loggers automatically find their place in the radio network and work out the best path to get information back to a receiver. The logger will store data locally in times where it cannot communicate with the receiver. Once communication channels are re-stored all data is transmitted from the logger to the receiver.

Features:

- Wireless temperature and humidity monitoring
- Self-configuring, for easy installation
- 200m range, typical (line of sight)
- User-programmable logging interval
- Local cache can store 2 weeks of readings
- User-programmable alarms
- Waterproof case
- Software and LED low battery warning
- User-replaceable battery

Specifications:

- Logging Interval: 2 minutes to 10 days
- Local Storage Capacity: 2 weeks, at a typical 10 minute logging interval (when the logger cannot communicate with the receiver)
- Alarms: 2 programmable alarms per channel



- Alarm Delay: 1 second to 10 days

Tinytag Radio Logger Models:

- TGRF-3021: Tinytag Radio temperature logger for thermistor probe (-40°C to +125°C)
- TGRF-3022: Tinytag Radio temperature logger for 2 x thermistor probes (2 x -40°C to +125°C)
- TGFR-3024: Tinytag Radio temperature logger for 4 x thermistor probes (4 x -40°C to +125°C)
- TGRF-3201: Tinytag Radio temperature logger for PT1000 probe (-200°C to +200°C)
- TGRF-3202: Tinytag Radio temperature logger for 2 x PT1000 probes (2 x -200°C to +200°C)
- TGRF-3204: Tinytag Radio temperature logger for 4 x PT1000 probes (4 x -200°C to +200°C)
- TGRF-3500: Tinytag Radio temperature and relative humidity logger (-18°C to +55°C and 0 to 100% RH)