

## INTRODUCTION

**TagTemp** is a compact water proof temperature data logger. Housed in an IP67 enclosure, **TagTemp** can be installed in harsh environments in different applications.

It can be easily programmed and set via a handy infrared **IR-LINK 3** interface connected to a USB port under Windows software or with a Palm compatible PDA IrDA interface under PalmOS. **LogChart II** software allows for logger configuration, recorded data retrieval, plotting, historical analysis and exports data to spreadsheets.

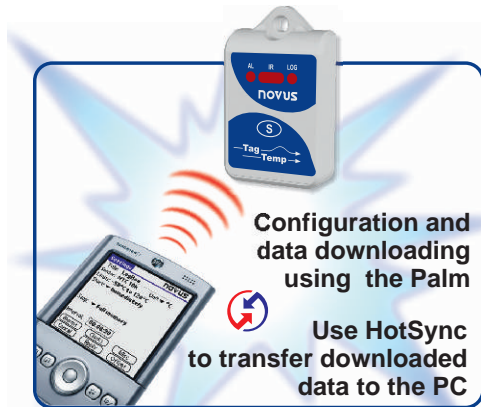
Powered by an inexpensive lithium coin cell, it can operate continuously for more than one year. Its high resolution (14 bit ADC) and data memory capacity (16k loggings) makes it the ideal product for accurate monitoring of temperature for long periods or fast sampling.



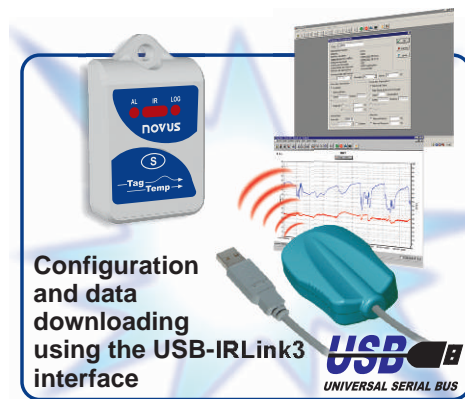
## TYPICAL APPLICATIONS

- ⇒ Transportation of foods that require refrigeration, allowing tracking of the travel conditions throughout the entire course;
- ⇒ Transportation of goods in ships during long travels;
- ⇒ Monitoring of laboratories, recording the ambient temperature;
- ⇒ Monitoring of computer rooms with easy access to registered information;
- ⇒ Transportation of medicine or vaccines
- ⇒ Monitoring of temperature in blood centers;
- ⇒ Transportation of transplanted organs, testifying ideal temperature conditions;
- ⇒ Monitoring the complete process of pasteurization of food and beverages.

## CONFIGURATION AND DATA DOWNLOAD



Configuring and downloading data with Palm OS compatible devices by means of the Infrared interface is easy and convenient. The data can be transferred to a PC through the **HotSync** synchronizer.



**USB-IRLink3** interface allows communication between the TagTemp and a PC (in a Windows environment) through the USB port, without any physical contact. The IR data communication works for distances up to 2 feet.

## GENERAL FEATURES

- Enclosure: IP67, flame retardant, ABS+PC
- Dimensions: 47 x 30 x 12 mm;
- Temperature measurement accuracy:  $\pm 0.5$  °C;
- Reading resolution: 14 bits or 16,384 levels;
- Memory capacity: 16,000 loggings;
- Reading intervals: from 1 second to 18 hours;
- Loggings can be programmed to start immediately, outset by the device's button, by date/hour or by a programmed setpoint or through a PDA;
- Loggings can be programmed to stop: at full memory; at some specified date and hour, number of samples or never (circular memory);
- Internal button to command start/stop logging;
- Configuration and data retrieval software for Windows 98, XP, 2000 and PalmOS;
- Non contact IR communication up to 2 feet, 30° angle;
- Operating temperature: -20 °C to +70 °C;
- Internal replaceable lithium coin cell (2032 type);
- Estimated battery life: 1 year with one weekly download and 5 minutes measuring interval. Battery life depends heavily on data retrieval frequency;
- Accepts up to 40 identification characters for user application;
- LED indication of functioning mode and alarm.