

# Tempulog4

temperature monitoring, recording and alarm system

The Tempulog4 is a rugged, versatile logger ideal for smaller applications.

The Tempulog4 provides precise temperature monitoring of 4 fridges, freezers, cold stores or other areas, depending on your needs. It logs temperatures automatically at a rate set by you, making manual checks redundant and so saving staff time. Use of the Tempulog4 improves public protection, ensures quality and consistency and guarantees the safety of your stock. It also enables food processing, storage and transportation firms to meet 'due diligence' and HACCP regulations which demand proof that safe temperatures have been maintained. Efficient and cost effective, the Tempulog4 is the ideal product for smaller companies or plants.

The Tempulog4 can be set to record temperatures at intervals from once every minute to once every four hours, depending on your needs. Each unit has memory for up to 16,000 readings. Accurate to 0.2°C and with a wide operating range of -100°C to +200°C, the Tempulog4 can meet all your needs. Our system is very flexible - it can be set to measure other variables such as pressure or relative humidity, if required.

The Tempulog4 can also monitor and record 'events' such as the opening and closing of a fridge door or coldstore entrance at four different locations.

The Tempulog4 has an sophisticated alarm system that alerts you to unacceptable temperature changes - whether too high or too low. Time delays set by you prevent false alarms. If the alarm is triggered, an internal buzzer alerts those nearby and when unattended the Tempulog4 can be con-

figured to dial out through the telephone network to a site manager or engineers. It is fail-safe: if the power is cut, the Tempulog4 will continue to record while the alarm is auto-

matically triggered. The time & date of each alarm trigger is recorded. You can depend on the Tempulog4 to protect your stock.

Readings can be downloaded to any office PC using straightforward software, where they can be displayed as graphs or

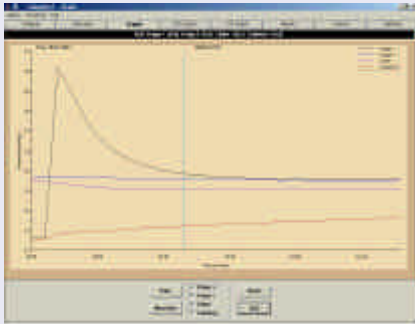
spreadsheets. There is a zoom option and graphs can be printed in monochrome or colour. Readings from a number of months can be displayed on one graph enabling you to track quality. You can view a real time display of temperatures on screen. The software makes it possible to monitor temperature at a site anywhere in the world through the use of a modem or network. Software is supplied with every Tempulog.

The Tempulog4 is a cost-effective path to peace of mind.



**“...reliable, accurate and flexible with an alarm system for security and confidence...”**

“...a cost-effective system means rapid payback on investment...”



Easy-to-use software enables you to bring up the information you need at the click of a button. Opposite is an example of a typical temperature graph.

## Key Benefits

- Reduce product loss and optimise product quality
- Eliminate the need for manual checks
- Reduce refrigeration service costs and downtime
- Monitor, analyse and prove quality
- Improve energy management
- Gain easy access to past and current records
- Improve staff efficiency and productivity
- Meet all UK, EU and HACCP regulations
- A cost-effective system means rapid payback on investment
- Safeguard against potentially costly litigation
- Protect your stock - the Tempulog4 quickly alerts you to any problem

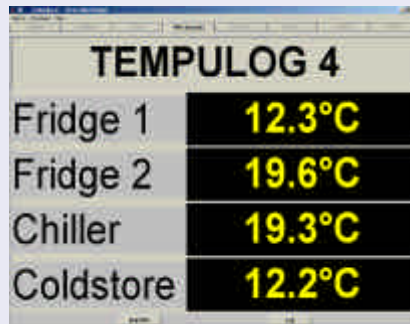
## Applications

Fridges & freezers

Air Conditioning

Cold stores & plants

Chillers & display cabinets



Real Time display of temperatures enables you to keep a constant watch on plant performance.

## Technical Specifications

4 Channels of PT100 temperature probes, 2,3 or 4 wire configuration or 4-20 mA from any process signal transmitter  
 4 Digital Status inputs for events e.g. door open  
 Temperature range: -100°C to +200°C  
 Accurate to 0.2°C  
 Large LCD display: 122 x 42 mm  
 Connections to: PC, Printer, Modem, Autodialer or network  
 Distributed operation allowing up to 63 units to be connected to a single PC  
 Outputs: 2 change over alarm relays  
 16,000 readings non-volatile memory  
 Battery backed, user replaceable. Battery supports data logging for 4 weeks without external power.

technology working for you

3D Digital Design & Development Ltd  
 Interface House  
 Chelmsford Road  
 Southgate  
 London N14 4JN  
 Tel 020 8886 3668  
 Fax 020 8882 4615  
 Email info@tempulog.com  
 Web www.tempulog.com  
 A BSI ISO 9001 Certified Company