

# COST - EFFECTIVE MADE TO MEASURE DATA LOGGING SYSTEMS

**Eltek**  
SPECIALIST  
DATA LOGGERS

Eltek specialises in custom made data logging systems to satisfy a wide range of user requirements.

Easy to use customised data loggers

Today's demands for monitoring and validation require an ever increasing diversity of data logger capabilities. Since 1985 Eltek has been providing customised solutions for both specific applications and individual needs. Our modular construction system enables us to provide an extremely wide range of data loggers at competitive prices. In-house software and engineering experience means that we can go that bit further to meet the needs of the individual.

## Eltek Products

- 1000 Series Special data loggers
  - Based on field proven Grant SQ 1000 series logger
  - Standard modular system extends capacity up to 124 channels (telemetry 250 channels)
  - Flexible mix of analogue and digital channel permutations
  - Customised Firmware
- Market specific data loggers and systems e.g.
  - Pharmaceutical systems (FDA 21CFR part 11)
  - Electricity distribution
  - Museum and gallery monitoring
- GenII telemetry system
  - Wireless connected dataloggers
- Wireless connected sensors system
- 3 year warranty
- Comprehensive range of accessories
- Darca family of configuration and analysis PC software

## Eltek Services

- In-house design and manufacture
- Traceable calibration
- Technical assistance
  - Technical support - pre and post sales
- Installation and Commissioning services
- Customer training
- Fast repair turn round

## Eltek Worldwide

- Agents in UK, Europe and Worldwide
  - Offering in country sales and support
  - All products and service available worldwide
- Comprehensive Website ([www.eltekdataloggers.co.uk](http://www.eltekdataloggers.co.uk))
  - Full product specifications and brochures available
  - Product updates and downloads
  - Choosing your logger and FAQs areas

1000 Series Logger



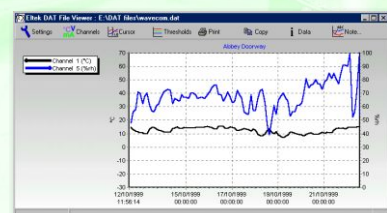
Telemetry - Transmitters



Telemetry System



Darca Software



## 1000 Series Specials

Eltek 1000 series loggers are ideal for small or large data logging applications. Designed to be battery operated and portable, they provide up to 160 channels (248 in telemetry systems), 2M readings worth of storage, and ethernet connectivity.

### Key Features

Portable operation	12 bit resolution	Panel mounted 2 line 32 character display
Flexible configuration and metering options	High accuracy 0.1% reading, +0.2% of range span	Memory 250K to 2M readings
Accommodates most sensors currently available	External triggers	
Customised Firmware	Operating temp range -30C to +65C	
Inputs scaled to read as engineering units	Relative Humidity up to 95% non condensing	
Sensor power outputs	Internal battery 9V typical	
Non volatile memory	External supply voltage 9 to 14 V DC	
	Communications protocol up to 38.4 K baud	

### Optional Features

Fast sampling interval of 0.1 second  
Configurable Alarm thresholds  
Increased on board memory or PC memory card  
Text messaging on alarm & GSM modem  
LAN connectivity

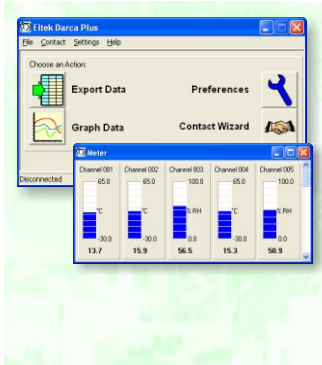
## Telemetry - GenII - wireless connected data logging

The Eltek GenII telemetry system allows remote siting of sensors where cabling systems prove impractical or costly and is ideal for both permanent or temporary installations.

- Licence exempt UHF for low cost of ownership
- Integral Receiver / Logger type RX250-AL with 250 channel capability and alarms
- Lightweight, robust, battery powered transmitters with long battery life (5 years typical)
- Multiple inputs on transmitters
- 12 bit resolution for high accuracy
- High grade transmitter and high selectivity receiver for maximum range
- Radio repeater to extend coverage, can be added as system expands
- Fully programmable



## Darca - family of powerful configuration and graphical SW tools



### Darca Lite

- Windows 95/98/ME/2000/NT4/XP compatible
- Comprehensive configuration and control of logger
- Sophisticated analysis of periodic data and events
- Scheduled and automated down loading of data
- User friendly interface and wizard for first time users
- Information presented in engineering units
- Real time metering
- Locally connected to data logger via USB or Serial port
- Data can be exported for use in other analysis programs

### Darca Plus

Darca Lite features plus:

- Powerful graphing tools
- Modem connection (GSM or landline) & texting
- Statistical analysis
- Transmitter setup for telemetry loggers

### Darca Secure

- Darca Plus compliant to \*FDA 21CFR Part 11
- Secure access, password authorisation
- Fully protected audit trail
- Encrypted data

## WSR - Wireless Sensor Receiver

- Convert many existing data acquisition systems to wireless operation.
- Add GenII transmitters to an existing system, interfacing them with the WSR wireless sensor receiver.



# Eltek

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