1010 8 8 2 1x8 1 1020 16 16 4 1x8 1

Digital

Input

Common Features

Model Types

Model

3 year warranty Calibration service Accessories tested with logger Rapid repair and return service Hire Service

Darca Plus Software

Optional Features

Outdoor weather proof enclosure PC card slot Increased memory options Alarm output Inputs for DC measurement GSM and Ethernet remote access kits

Pulse

Input

System Accessories

RC1000 Rogowski Coil, Current Transducer VTS Voltage Transducer CT5 - 5 Amp Current Clamp CT75 - 7.5 Amp Current Clamp CS-U-V2-DIN Temperature Probe WB6 IP65 outdoor enclosure

- Non volatile memory offering up to 2 million readings
- All connections are plug and socketed
- Thermistor probe inputs (-25°C to 125C)
- Pulse and Event/Digital inputs

Number of

inputs

Standard air or surface temperature probe available

AC inputs

max

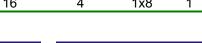
SQUIRREL 1000 ENERGY SERIES

Specialist data loggers and accessories tailored for the electricity energy sector. For metering and recording AC voltage, current and temperature using a single comprehensive and accurate instrument.

Squirrel 1000 energy series data loggers and accessories enable quick, easy metering, monitoring and logging of load usage patterns enabling optimisation of power distribution, ultimately leading to improved reliability of power availability and power distribution plant costs.

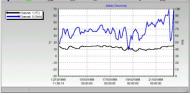
Key Features

- 12 Bit for high accuracy and resolution
- Records average or instantaneous values for each channel
- Measures and records AC voltage, current and temperature
- Battery operation with up to 6 months unattended operation
- Fully portable
- Ideally suited for temporary and permanent installation
- Quick and easy configuration and down load using Darca Software
- Remote access via telephone line, GSM and Ethernet if equipped
- Rogowski coil for high current measurement and outdoor use
- Display scaled to read out in primary conductor measured unit



Temperature

inputs max



A powerful setting up and graphing tool to display real-time or historical data

Plots can be labelled at points of interest

Summary window displays data and statistical information

Data can be exported for analysis on other spread sheet programs

"Shed" - automated contact scheduling utility built-in

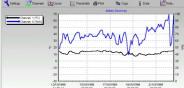
Squirrel 1000 Energy series is a family of loggers dedicated to the energy industry. For other Squirrel products, ranging from general purpose to customised specialised product visit the Eltek web site at www.eltekdataloggers.co.uk

Easy to use customised data loggers





1010



Application

Е С S Р ΙA DATA LOGGERS

Typical temporary or permanent installation measuring voltages, load currents and transformer temperature, e.g. on a pole mounted rural installation, or in a substation.

Temperature probe

Measures ambient or transformer core temp. (not visible in this installation)

WB6 Outdoor enclosure



Rogowski Coil

The weatherproof transducer measures current in each phase. Can be installed easily, quickly and safely with no disruption to supply.



The IP65 enclosure is fitted with oversized weather secure glands allowing the Din connector termination of the Rogowski Coil or temperature probe to pass through. Blanking plugs are supplied to retain weather protection when required. All metal fittings of the enclosure are high grade stainless steel assuring reliable and durable usage.

Data Analysis

Squirrel recorded data can be monitored or reviewed on the built in display and controls.

Data can be down loaded to a PC on site, by optional PC Card, or remotely via GSM, modem and landline or Ethernet for analysis using Darca Plus Software.

Specifications

Logging Modes Interval / average / event / externally triggered

Log/Scan Interval 5sec to 24 hours

Analog Inputs Accuracy: ±(0.1% of reading, +0.2% of range span)

Digital Inputs

0/5V or volt free contacts 8 inputs per logger channel

Pulse counters

Each counter up to 2Khz signal or 100Hz volt free contact. A total of 650K counts software selectable

Data memory

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Internal memory: 64,000 readings Option: 2 million readings or PC slot with SRAM card (2 million readings)

Memory modes; stop when full or overwrite current run

Display 2 line, 32-character, for readings	Input type	Available ranges	Resolution	Accessory to be used
status monitoring and configuration	AC	0 to 200A coil	0.2A	RC100 Coil
Communications RS232 half duplex - 2400 to 38.4K Baud Modem compatible protocol	transducer	0 to 500A coil 0 to 1000A coil 0 to 2000A coil 0 to 1000A CT	0.5A 1A 2A 1A	RC100 Coil RC100 Coil RC100 Coil CT1 Current
Darca Plus Software Configuration, graphing and analysis		0 to 300V 170 to 270V	0.3V 0.1V	Clamp
Power supply Internal: 6 x AA Alkaline batteries External: 9 to 14vDC (1.4watts)	Thermistor	-25.0 to 125.0°C	0.1°C	
Mains adapter: 12vDC 6watts	Pulse	0 to 650,000	1	
Case	count	0 to 650,000	10	
Scratch resistant Nextel coated ABS. W: 180mm, H: 120mm, D: 1010 65mm, 1020 85mm	Digital State	0 to 255 00000000 to 11111111		

Operating Environment

Temperature range:-30 to 65°C Humidity: 95% non condensing. For harsh environments an optional IP65 enclosure is available.