

SQUIRREL 1000 ENERGY MONITORING SERIES

Eltek

SPECIALIST
DATA LOGGERS

Specialist data loggers and accessories tailored for electricity monitoring using third party energy meters which provide a pulse output, e.g. Rayleigh, Smart Rail and Northern Design NDRail350.

Easy to use customised data loggers

Squirrel 1028A and 1048A energy series data loggers and accessories enable quick and easy metering, monitoring and logging of energy usage patterns. For use with most commonly available secondary energy meters that provide isolated contact or semiconductor pulse output.

Key Features

- 12 Bit for high accuracy and resolution
- Battery operation with up to 6 months unattended operation
- Fully portable
- Ideally suited for temporary and permanent installation
- Quick and easy configuration and download using Darca Software
- Remote access via GSM and Ethernet if equipped
- Non volatile memory offering up to 2 million readings
- All connections are plug and socketed

Model Types

Model	No of pulse inputs
1028A	16
1028A+1	17
1048A	32

Standard Features

- 3 year warranty
- Rapid repair and return service

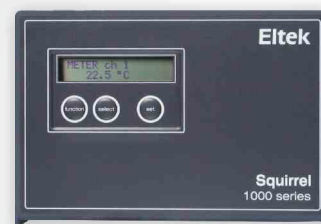
Optional Features

- Increased memory options
- GSM and Ethernet remote access kits

System Accessories

- WB6 IP65 outdoor enclosure

1028A / 1048A

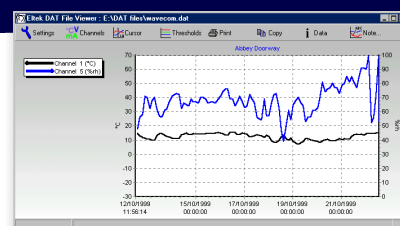


Outdoor system



Darca Plus Software

- 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



Application

Consolidated records of energy usage for analysis or billing purposes.

Data Analysis

Squirrel recorded data can be monitored or reviewed on the built in display and controls. Data can be downloaded to a PC on site or remotely via GSM, modem or Ethernet for analysis using Darca Plus Software. GPRS to be released Qt.3 2014.

Specifications

Logging Modes

Interval / average / event / externally triggered

Log/Scan Interval

5 seconds to 24 hours

Display

2 line, 32-character, for readings status monitoring and configuration

Pulse counters

Each counter up to 5Hz signal or 100Hz volt free contact. A total of 65K counts.

Data memory

Internal memory: 250,000 readings
Option: 2 million readings
Memory modes; stop when full or overwrite current run

Communications

RS232 serial 9600 to 38.4K Baud.
USB converter available.

Darca Plus Software

Configuration, graphing and analysis

Power supply

Internal: 6 x AA Alkaline batteries
External: 9 to 14VDC (1.4watts)
Mains adapter: Type MP12U

Operating Environment

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