



DISCONTINUED: Squirrel SQ2040-2F16

Product Images



Short Description

The Squirrel 2040 series provide high performance universal data loggers packed with the same powerful features as the Squirrel 2020 series with additional high speed logging on up to four channels and twice as many universal input channels. This provides great flexibility to handle a wide range of complex and demanding multi-channel applications such as high-speed vehicle testing or engine monitoring.

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Explanation

The Squirrel 2040 series are easy, fast and convenient to use - either as portable, stand-alone loggers or as PC-linked data acquisition systems in industrial testing and research, scientific and environmental research and quality assurance applications.

Twin processors, multiple 24-bit A to D converters, up to 32 universal channels, removable Multi Media (MMC) or SD card memory and a choice of communications methods ensure that the Squirrel 2040 series provides state-of-the-art data logging and communication capability for sophisticated applications needs.

- Up to 32 universal inputs
- High precision (0.05%)
- Advanced data management, to MMC/SD or PC
- Flexible communications (USB, Ethernet, RS232)
- High speed option (100Hz on 4 channels)
- Various Remote connection options e.g. via Ethernet or dial up modem

Key features

- Standalone data logger or link to a PC
- Compact and portable
- 16 to 32 universal analogue plus 8 digital inputs
- 16 derived/calculated channels
- 4 alarm outputs
- Configured via integral interface or via PC
- 0.05% basic accuracy
- Up to 14 million readings
- In built Ethernet networking capability
- USB and RS232 connectivity

Analogue inputs supported

- Thermistors
- Thermocouples
- Pt100/Pt1000 (maximum of eight 3- or 4-wire Pt100/1000 sensors - model 4F16 only)
- Voltage
- Current
- Resistance

Key capabilities

- Create complex schedules of logging rates, triggers and alarm outputs
- Scale and view readings in real time on the integral display or on a PC running Excel
- Display readings in preferred engineering units e.g. Hz, Bar, Pascals, Nm etc.
- Select logging rates up to 100 readings per second on up to 4 channels (2 channels on Squirrel model 2040-2F16) or a combination of different logging rates
- Derive up to 16 calculated (virtual) channels from real input channels using mathematical functions
- Concurrently sample channels at different sample speeds, e.g. 100Hz, 20Hz, and 10 Hz etc

Squirrel 2040-2F16

- Up to 100 readings per second on 2 channels
- Two 24-bit A to D converters
- In built Ethernet connectivity

Promotion	This product has been discontinued. See the Grant Data Loggers range
Brand	Grant
Channel(s)	32
Typical applications	Environmental (Indoor)
Measurements	Universal