



## SQ2040-4F16

### Product Images



### Short Description

The Squirrel SQ2040-4F16 expands on the SQ2040-2F16 by adding 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.

### Description

The Squirrel SQ2040-4F16 expands on the SQ2040-2F16 by adding 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.

- Up to 100 readings per second on 4 channels
- Four 24-bit A to D converters
- 4 pulse rate / counter inputs (2 at up to 64kHz, 2 at up to 100Hz)
- In built Ethernet connectivity

Explanation	<p>The Squirrel SQ2040 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.</p> <p>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 SQ2040 series provides state-of-the-art data logging and communication capability for sophisticated applications needs.</p> <ul style="list-style-type: none"><li>• Up to 32 universal inputs</li><li>• High precision (0.05%)</li><li>• Advanced data management, to MMC/SD or PC</li><li>• Flexible communications (USB, Ethernet, RS232)</li><li>• High speed option (100Hz on 4 channels)</li><li>• Various Remote connection options e.g. via Ethernet or dial up modem</li></ul> <p><b>Key features</b></p> <ul style="list-style-type: none"><li>• Standalone data logger or link to a PC</li><li>• Compact and portable</li><li>• 16 to 32 universal analogue plus 8 digital inputs</li><li>• 16 derived/calculated channels</li><li>• 4 alarm outputs</li><li>• Configured via integral interface or via PC</li><li>• 0.05% basic accuracy</li><li>• Up to 14 million readings</li><li>• In built Ethernet networking capability</li><li>• USB and RS232 connectivity</li></ul> <p><b>Analogue inputs supported</b></p> <ul style="list-style-type: none"><li>• Thermistors</li><li>• Thermocouples</li><li>• Pt100/Pt1000 (maximum of eight 3- or 4-wire Pt100/1000 sensors)</li><li>• Voltage</li><li>• Current</li><li>• Resistance</li></ul> <p><b>Key capabilities</b></p> <ul style="list-style-type: none"><li>• Create complex schedules of logging rates, triggers and alarm outputs</li><li>• Scale and view readings in real time on the integral display or on a PC running Excel</li><li>• Display readings in preferred engineering units e.g. Hz, Bar, Pascals, Nm etc.</li><li>• Select logging rates up to 100 readings per second on up to 4 channels or a combination of different logging rates</li><li>• Derive up to 16 calculated (virtual) channels from real input channels using mathematical functions</li><li>• Concurrently sample channels at different sample speeds, e.g. 100Hz, 20Hz, and 10 Hz etc</li></ul>
	<p><b>This product has been discontinued. See our <a href="#">range of Grant loggers</a></b></p>
	Promotion
	Brand
	Channel(s)
Typical applications	Environmental (Indoor)
Measurements	Universal