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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.

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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

https://www.tempcon.co.uk/squirrel-sq2040-4f16-high-speed-data-logger 20/04/2024

Additional Information

Explanation	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. 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. • 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) • 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 Excelä • 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 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
Promotion	**This product has been discontinued. See our range of Grant loggers**
Brand	Grant
Channel(s)	32
Typical applications	Environmental (Indoor)
Measurements	Universal