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Регистратор данных sq16plus



The sq16plus boasts more advanced technology, giving faster logging speeds. With 3 and 4 wire PT resistance probe support, you get the best accuracy in temperature measurement.

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- Game changing accuracy with precise data capture technology
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- Remote monitoring with data capture anywhere and anytime via desktop or mobile device
- Channel expansion up to 128 channels

Game-changing data accuracy, empower your industry

Pharmaceutical, thermal mapping, aerospace, automotive, quality control and compliance monitoring

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Specifications

No of channels single ended	16 single ended or 8 differential inputs
Universal input	Yes, including 2, 3 and 4 wire resistance
Voltage ranges; differential and single ended	-0.3 to 0.3V, -1.5 to 2.5V, -6 to 10V, -40 to 60V
Common mode	60V
	4 to 20mA, -30 to +30mA
Current ranges, differential (requires external 10Ω shunt) Thermocouple ranges; differential and single	K-type -200 to 1372°C R-type -50 to 1768°C B-type 250 to 1820°C T-type -200 to 400°C S-type -50 to 1768°C C-type 0 to 2320°C N-type -200 to 1300°C J-type -200 to 1200°C D-type 0 to 2320°C
Resistance ranges, 2,3 & 4 wire	0-2000R and 0-300000R 2-wire, 0-4000R

	3-wire and 0-4000R 4-wire
Thermistor ranges Pt100/1000, 2-wire	U, UU, Y & S – type – 50 to +150°C & customer specific thermistors
	-200 to 850°C
Internal reference temperature	-55 to 150°C
Pulse count ranges Digital state/event ranges	0 to 100Hz (2 input) 0 to 64kHz (2 input) 0 to 34,360,000,000 count
	8 state inputs or 1 x 8 bit binary
Digital/alarm outputs	4 open drain FETs, 40V, 0.1A
A/D resolution	32 bit
Accuracy	0.1% of range + 0.1% of reading
Clock resolution/accuracy	1s/10ppm
Sampling rates	Up to 100 readings per second on 2 channels
Data statistics	Yes from within new SquirrelView plus PC software
Calculated channels	Yes, up to 16
Memory internal	16GB, approximately 800 million readings
Multi function button	LED Status indication and start/stop
Internal battery	6 x AA cells
Battery life External power	up to 6 months all channels logging every 15 minutes
	Yes, 8 to 38v dc or via USB
Sensor power output	8-38V at 150mA when connected to external power supply
Networking	Via USB or open thread
Modem support	Via USB hub
Actions & triggers PC setup Front panel setup	Four alarm outputs, fully configurable actions and triggers
	Yes, SquirrelView compatible

Via smartphone app. All essential functionality available via app e.g. channel configuration, start/stop logging etc. Other advanced functions e.g. calculated channels and channel descriptions are available via connection to a PC running SquirrelView

Stored setups	6
Operating temperature	-20 to 65°C
Dimensions (w x d x h)/ weight	257mm x 206mm x 57.3mm, 1.5kg
Working environment	– 30 to 65°C, RH up to 95% (non-condensing)

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