Universal Data Logger

DS7000

Features:

- Universal inputs
- 1, 2, 3, 4, 5, 6, 7, 8 and 9 channels
- 16-bit resolution
- LCD display option
- User replaceable battery
- Typical 6 year battery life
- Digital input



Description:

The SL7000 is a data logger with a very flexible combination of inputs - from single temperature input, up to 4 universal inputs combined with an internal temperature and relative humidity sensor, as well as an optional external temperature and relative humidity sensor. All units also feature a digital input which can be used as an event trigger or as a counter input.

Powered by its own user-replaceable batter with life in excess of 6 years, the SL7000 can record up to 120,000 readings at intervals from 1 second to 24 hours. It features unprecedented 16-bit accuracy and resolution for all universal inputs, and is competitively priced regardless of the application. An on-board LCD display (optional) shows selected channel information, and integral LED displays provide immediate scanning and alarm status information.

UKAS CALIBRATION 0043

BSI UKAS QUALITY MANAGEMENT CERTIFICATE NO. FM22358

General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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Universal Inputs	Pt100: 2 or 3 wire C or F (BS EN 60751/JIS 1604) Ni100, Ni120: 2 or 3 wire C or F Cu10: 2 or 3 wire C or F Thermocouples: J, K, T, R, S, B, N C or F Thermistor: (various types) C or F 0-20mA: scaled in engineering units ±100mV: DC scaled in engineering units 0-1V DC: scaled in engineering units 0-10V DC: scaled in engineering units Slidewire: scaled in engineering units (100ohm to 10kohm)
Resolutions	All universal inputs: 16-bit Internal and external temperature: 12-bit Internal and external RH: 8-bit
Counter Input	Used to start logging or as a counter Maximum count: 65,535 per sample period Maximum frequency: 32,768 Hz
Start Options	Programmable delay period: 10 min to 1 year Start on external magnet swipe Start on event trigger
Channel Indicators	8 green LEDs to indicate logging status, changing to red to indicate alarm condition
Comms Indicators	1 yellow LED to indicate comms activity
Sample Rate	1 second to 24 hours for all channels
Display	Optional 3.5 digit LCD with channel indication and low battery warning
Communication Interface	USB isolated (5-pin mini USB connector)
Sample Method: Selectable	Point, Averaging, Maximum, Minimum

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