

INDOOR AIR QUALITY DATA LOGGER

SL100TH

TEMPERATURE & RELATIVE HUMIDITY

COST EFFECTIVE

SAMPLE RATES 8 SECONDS TO 34 MINUTES

www.signatrol.com

32K MEMORY - 32,000 READINGS

"PLUG AND PLAY" EASE OF USE

ZOOMING GRAPH CAPABILITIES

INTRODUCTION

The SL100TH Temperature and Humidity Data Logger is a low cost, easy to use, battery powered logger that can store up to 32,000 data points. It is self powered with an internal battery which gives 5 years continuous service under normal use. The integral 9 way 'D' type connector enables it to be plugged directly into a serial port on a PC for issue and data download.

Its robust construction makes it ideal for transportation and room comfort applications and it is supplied complete with a Factory Calibration Certificate (Traceable to national standards) and PC operating software which enables data to be reviewed, stored and charts and reports generated.



SPECIFICATIONS @ 20°C

Size:	25.4 x 58.4 x 81.3 mm (1" x 2.3" x 3.2")
Weight:	74 grams (2.6 oz)
Case Material:	Cycloy (GE Plastics) C120 ABS +Polycarbonate
Mounting:	Magnetic backing
Operating Limits:	-40°C to 70°C (-40°F to 158°F)
Clock Accuracy:	+/-2 seconds per day
Battery:	3.6 volt lithium, 1 amp-hour
Battery Life:	Five year warranty (under normal use).
PC Requirements:	TrendReader Express software (included). PC or 100% compatible, running MS Windows 3.1, '95, '98, Me, 2000, XP or NT, with at least 2 MB RAM, 10MB of hard drive disk space and one free serial port.
Resolution:	8 Bit - (1 part in 256)
Sampling Methods:	First in first out, stop when full, delay start, spot & average sampling.
Sampling Interval:	8 seconds to 34 minutes
Accessory:	DB9 serial extension cable (included)

SENSOR SPECIFICATIONS

Temperature Range:	Sensor:-40°C to +70°C (-40°F to 158°F)
RH Range:	0-100%
Temperature Accuracy:	+/-0.6°C @25°C , +/-2 °C from -40°C to 70°C (+/-1°F@77°F, +/-3.6°F from -40°F to 158°F)
RH Accuracy:	+/-4% between 20% to 80% RH, otherwise +/-5%
Calibration:	Factory calibration verification and NIST certificates are available upon special request.

APPLICATIONS

- Building comfort monitoring
- Food process verification
- Pharmaceutical and laboratory storage monitoring
- Transportation monitoring
- Energy management
- HVAC system testing and balancing

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Data Logging Solutions

ORDER CODE

SL100TH

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Every effort has been taken to ensure the accuracy of this specification, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

Mythe Barns Business Park,
Tewkesbury, Gloucestershire, GL20 6EA
Telephone: +44 (0)8703 800 551 Fax: +44 (0)8703 800 552 Email: sales@signatrol.com