SpotSee®

MicroDL Temperature Data Loggers

The MicroDL temperature data logger is a coin sized device packed with an array of features allowing it to tackle the biggest of temperature monitoring tasks. With optional memory sizes of 8K, 32K and 64K, and accuracy as tight as 0.2°C, our digital display technology gives you on-the-spot verification that the internal temperatures of your packaged contents meets specifications. The MicroDL even has probed configurations enabling temperature monitoring at -80°C (dry ice) and -200°C (cryogenic) temperatures.



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MicroDL

Perfect for use in cold chain applications in the life science industry where products require temperature monitoring in transit and storage. Ideal for small spaces and integration into existing packaging or shipping systems as a robust temperature validation measure.

- Multi-use, user programmable
- LCD information display options
- Cumulative and continuous alarm settings
- 21 CFR Part 11 compliant software capable
- 8K, 32K, 64K memory configurations

Display Examples

Press the Start button to see the following information display with each press:



1. Rec: 8.6°C shows recording and current temperature



2. Run: 11 D shows elapsed time in days



3. Mkt: 9.1°C shows mean kinetic temperature



4. Hi: 15.2°C shows alarm has occurred and high temperature



5. Low: 8.2°C shows alarm has occurred and low temperature



6. Hi Hr: 0.3 shows alarm time hours over high threshold



7. Low Hr: 1 shows alarm time hours over low threshold



8. Rec: 8.6°C Push to return to current temperature

원문: SpotSee microDL-200C MicroDL Overview · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

	MicroDL 8057 (8K), 8033 (32K) 8049 (64K) 8034 (Flat Probe, 32K) 8061 (Mini Probe, 8K) 8065 (Std Probe, 8K)	MicroDL -80 8058 (Flat Probe, 8K) 8035 (Flat Probe, 32K) 8051 (Flat Probe, 64K)	MicroDL -200 8103 (Tipped probe, 64K) 8030 (Tipped probe, 32K)
Recording Type	Multi-Use	Multi-Use	Multi-Use
Temperature Measurement Range	**Device:** -40°C to +72°C / -40°F to +162°F 8057 lower limit is -29°C **21" Flat Probe:** -40°C to +72°C / -40°F to 162°F	**Device:** -40°C to +72°C / -40°F to +162°F **21" Flat Probe:** -80°C to +30°C / -113°F to +86°F	**Device:** -40°C to +72°C / -40°F to +162°F **26" Tipped Probe:** -200°C to +30°C / -328°F to +86°F
Temperature Accuracy Range	0.2°C at 0°C, 0.5°C at extremes / 0.36°F at 32°F, 1.0°F at extremes	0.5°C at 0°C, 1.0°C at extremes / 0.9°F at 32°F, 2.0°F at extremes	0.5°C at 0°C, 1.0°C at extremes / 0.9°F at 32°F, 2.0°F at extremes
Temperature Resolution	0.2°C / 0.4°F	0.2°C / 0.4°F	0.2°C / 0.4°F
Data Storage Capacity	8K, 32K, 64K	8K, 32K, 64K	32K, 64K
Battery Life / Type	2 year operating life / 3V coin cell lithium battery	2 year operating life / 3V coin cell lithium battery	2 year operating life / 3V coin cell lithium battery
Data Sampling Interval	2 seconds to 36 hours	2 seconds to 36 hours	2 seconds to 36 hours
Start Up Delay	2 seconds to 36 hours	2 seconds to 36 hours	2 seconds to 36 hours
Alarm Programming	Programmable high and low limits. Alarm triggered when limits are exceeded for specified time period.	Programmable high and low limits. Alarm triggered when limits are exceeded for specified time period.	Programmable high and low limits. Alarm triggered when limits are exceeded for specified time period.
Alarm Modes	Exceed Limit, Continuous Interval, Cumulative	Exceed Limit, Continuous Interval, Cumulative	Exceed Limit
Alarm Reset Options	Multi-Use: Alarm is reset when logger is erased and reprogrammed	Multi-Use: Alarm is reset when logger is erased and reprogrammed	Multi-Use: Alarm is reset when logger is erased and reprogrammed
Alarm Notifications	Alarm symbol appears when alarm has been triggered	Alarm symbol appears when alarm has been triggered	Alarm symbol appears when alarm has been triggered
Indicators	LCD Screen	LCD Screen	LCD Screen
Start Up Options	Push button automatic start with optional delay	Push button automatic start with optional delay	Push button automatic start with optional delay
Dimensions	Diameter: 2.86 cm / 1.25 in. Height: 1.4 cm / 0.5 in.	Diameter: 2.86 cm / 1.25 in. Height: 1.4 cm / 0.5 in.	Diameter: 2.86 cm / 1.25 in. Height: 1.4 cm / 0.5 in.
Weight	17 g / 0.6 oz	17 g / 0.6 oz	17 g / 0.6 oz
Quality Assurance Certifications	CE, UKCA, NIST Traceable Certificate of Calibration and RoHS compliant	CE, UKCA, NIST Traceable Certificate of Calibration and RoHS compliant	CE, UKCA, NIST Traceable Certificate of Calibration and RoHS compliant
Minimum System Requirements	Windows XP, Vista: 7, 8, 10 and 11	Windows XP, Vista: 7, 8, 10 and 11	Windows XP, Vista: 7, 8, 10 and 11
Required Software	c\temp+ (read only) | MDAS-Pro, 21 CFR (user configurable)	c\temp+ (read only) | MDAS-Pro, 21 CFR (user configurable)	c\temp+ (read only) | MDAS-Pro, 21 CFR (user configurable)
Computer Interface	USB Reader Station	USB Reader Station	USB Reader Station
Warranty	1 Year	1 Year	1 Year
Ship Air, Ground, Ocean in Accordance with	UN 3091, Packing Instruction 970 Section II – Excepted Lithium Metal and Lithium Alloy Cells and Batteries; IATA DG, IMDG Special Provision 188.1; U.S. per 49 CFR §173.185, Canada per TDG Special Provision 34 (1); W. Europe per ADR Special Provision 188(a) and 188(f)(i).		

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