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PRESENTATION

The iMiniPlus PDF data logger generates a comprehensive PDF report without the need for proprietary software, making data retrieval faster and more convenient.

FEATURES

- No proprietary software required; only a PDF reader
- Data can be downloaded to PC with mini USB cable (included)
- Large LCD display with multi-functional viewing
- Advanced multiple alarm settings
- Bookmarking & continuous logging features
- Customizable PDF reports
- Restart feature by START button

2 YEARS WARRANTY

OUR RANGE OF iMiniPlus PDF

Item Code	Memory	Type	Sensor Location
F-MU-ST-8-L	8K	Single Use	Internal
F-MU-IN-D-16-L	16K	Multi-use	Internal
F-MU-OE-D-16-L	16K	Multi-use	External

Certifications :

bsi. | NF EN 12830 | C E | IN-HOUSE NIST TRACEABLE CERTIFICATION | 21 CFR Part 11

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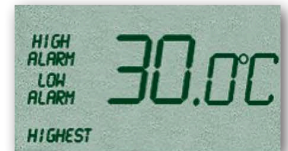## iMiniPlus PDF
Reusable temperature data logger

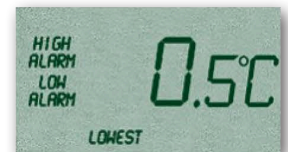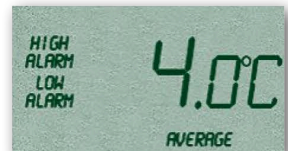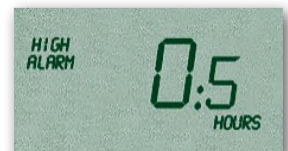| Description	Specifications
Product Code	F-MU-IN-D-16-L (Internal sensor) / F-MU-OE-D-16-L (External sensor) F-MU-ST-D-8-L (Single trip internal sensor)
Memory Options	Multi-use – 16K; 16240 readings / Single trip – 8K; 8048 readings
Program Interval	5 seconds to 18 hours
Time Accuracy	±1 minute per month
Sensors	Multi-use – Internal and / or External Single trip – Internal only
Temperature Range	-40°C to +70°C
Temperature Accuracy	+/- 0,5°C (-40°C to -10°C) +/- 0,3°C (-10°C to +70°C)
Resolution	0,1°C
Sensor Response Time	Internal Sensor – T90 of 20 minutes in moving air External Sensor – T90 of 5 minutes in moving air
LCD Operating Range	-20°C to +70°C
Alarm Thresholds	Two
Alarm Configuration	High & low
Bookmark	Yes
Preprogram Option	User programmable / Preprograming available upon request
Start Option	Push button and/or timer
Auto Restart	Yes; on multi-use loggers
Start Delay	Yes
Stop Option	Yes, Stop button (can be disabled) or timer
Size	8,3 x 5,7 x 1,7 cm (excluding lug)
Weight	70 grams (including battery)
Case Material	Polycarbonate / ABS
Battery	3.0V, user replaceable
IP Rating	IP65 (with plastic cap over USB connector)
Warranty	2 years, excluding battery (Multi-use loggers) One Trip, excluding battery (Single trip loggers)
Calibration	3 point NIST Traceable upon request
Accuracy Certificate	Yes
Other Certification	ISO9001:2008, CE, RoHS, EN12830
Battery Life	1-2 years (depending on usage)
Interface	USB (included)
Software	Console Pro, free download on www.cryopak.co.uk
Default File Format / Data Export	PDF & LRF, exportable en TXT, CSV, SYLK & LCF
Security	Password protected (programmable using Console Pro Software) encrypted binary file is generated along with PDF

Multi-function display
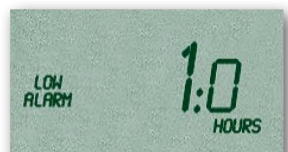
LCD displays the highest recorded reading

LCD displays the lowest recorded reading

LCD displays the average reading for the current trip

LCD displays the time above the specified high alarm setting for the current trip

LCD displays the time below the specified low alarm setting for the current trip

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Device specification

Product code	MU-OE-D-8-L
Serial Number	MU-CB-0286-0096
H/W Version	0.2 u
Trip Number	47
Description	GTM TESTING
Battery	OK
Original time zone	GMT -5:00 Daylight time
Start	Friday, 19th July 2013, 4:22:38 PM
Finish	Sunday, 21st July 2013, 8:21:38 AM
Sampling	1 minute, 0 seconds
Readings	2400 (39 hours, 59 minutes, 0 seconds)
Active	-40.0 to 70.0 °C
Specification	-40.0 to 70.0 °C

Statistics

Highest	59.9 °C
Average	38.9 °C
Lowest	-20.6 °C
High Alarm	Disabled
Low Alarm	Disabled

Out of specification

-19.0 to -18.1 °C	45 minutes, 0 seconds
-18.0 to -17.1 °C	31 minutes, 0 seconds
-17.0 to -16.1 °C	25 minutes, 0 seconds
-16.0 to -15.1 °C	19 minutes, 0 seconds
-15.0 to -14.1 °C	18 minutes, 0 seconds
-14.0 to -13.1 °C	15 minutes, 0 seconds
-13.0 to -12.1 °C	13 minutes, 0 seconds
-12.0 to -11.1 °C	12 minutes, 0 seconds
-11.0 to -10.1 °C	11 minutes, 0 seconds
24.1 to 25.0 °C	1 hour, 14 minutes, 0 seconds
25.1 to 26.0 °C	42 minutes, 0 seconds
26.1 to 27.0 °C	8 minutes, 30 seconds
27.1 to 28.0 °C	5 minutes, 0 seconds
28.1 to 29.0 °C	5 minutes, 0 seconds

Index	Date	Time	°C	Index	Date	Time	°C
00001	19/07/13	04:22:38 PM	23.9	00002	19/07/13	04:23:38 PM	23.6
00003	19/07/13	04:24:38 PM	23.4	00004	19/07/13	04:25:38 PM	23.3
00005	19/07/13	04:26:38 PM	23.4	00006	19/07/13	04:27:38 PM	23.5
00007	19/07/13	04:28:38 PM	23.8	00008	19/07/13	04:29:38 PM	24.1
00009	19/07/13	04:30:38 PM	24.4	00010	19/07/13	04:31:38 PM	25.0
00011	19/07/13	04:32:38 PM	25.5	00012	19/07/13	04:33:38 PM	25.7
00013	19/07/13	04:34:38 PM	25.6	00014	19/07/13	04:35:38 PM	25.1
00015	19/07/13	04:36:38 PM	24.1	00016	19/07/13	04:37:38 PM	22.8
00017	19/07/13	04:38:38 PM	21.2	00018	19/07/13	04:39:38 PM	19.6
00019	19/07/13	04:40:38 PM	17.9	00020	19/07/13	04:41:38 PM	16.2
00021	19/07/13	04:42:38 PM	14.7	00022	19/07/13	04:43:38 PM	13.1
00023	19/07/13	04:44:38 PM	11.7	00024	19/07/13	04:45:38 PM	10.2
00025	19/07/13	04:46:38 PM	8.8	00026	19/07/13	04:47:38 PM	7.4
00027	19/07/13	04:48:38 PM	6.1	00028	19/07/13	04:49:38 PM	4.8
00029	19/07/13	04:50:38 PM	3.4	00030	19/07/13	04:51:38 PM	2.2
00031	19/07/13	04:52:38 PM	1.0	00032	19/07/13	04:53:38 PM	-0.2

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OUR CUSTOMERS ALSO ORDER :

Cryo-Box : insulated packaging in assembled polyurethane

iMini USB PDF : single use USB temperature data logger

Cryo-Pur : insulated shippers in injected polyurethane

iMini : reusable temperature and/or humidity data logger

Phase 5™ : +2°C/+8°C : Positive pharmaceutical refrigerant

Flexible Ice Blanket™: eutectic mats or flexible ice blankets

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