

iMini

Reusable temperature and/or humidity data logger



PRESENTATION

The iMINI data logger offers enhanced features and updated software to improve the monitoring of your temperature and humidity sensitive products.



FEATURES

- Large LCD display with multi-functional viewing
- Advanced 4 alarm thresholds
- Bookmarking and continuous logging features
- Multiple memory options available (8K-128K)
- MKT Calculation



OUR RANGE OF iMini

Item Code	Description	Use	Total Sensor(s)	Sensor(s) Location	Sensor(s) Type
F-MX-IN-S-8-L	Temperature	Reusable	1	Internal	NTC
F-MX-ST-S-8-L	Temperature	Single use	1	Internal	NTC
F-MX-OE-S-8-L	Temperature	Reusable	1	External	NTC
F-MX-1E-S-8-L	Temperature	Reusable	2	1 Internal & 1 External	NTC
F-MX-2E-S-8-L	Temperature	Reusable	2	External	NTC
F-MX-HS-S-8-L	Temperature & Humidity	Reusable	2	Internal	Digital Sensors
F-MX-HE-S-8-L	Temperature & Humidity	Reusable	3	2 Internal & 1 External	Digital Sensors & NTC

Certifications :



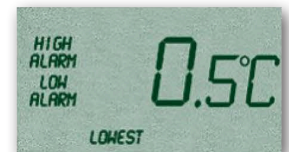
Description	Specifications
Program Interval	5 seconds to 17 hours
Time Accuracy	±1 hour per year
Sensors	Internal and / or external
Temperature Range	-40 °C to +80 °C
Temperature Accuracy	±0.5 °C (-40 °C to -10 °C) ±0.3 °C (-10 °C to +70 °C)
Resolution	0.1 °C / 0.1%
Sensor Response Time	Internal Sensor – 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	4 thresholds; 2 Red LEDs, 2 Blue LEDs
Alarm Configuration	“High High”, “High”, “Low”, “Low Low”
Bookmark	Yes
Preprogram Option	User programmable
Start Option	Push button and/or Timer
Auto Restart	Yes
Start Delay	Yes, 1 minute to 99 days
Stop Option	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	24 months, excluding battery (Multi use loggers) One Trip, excluding battery (Single use loggers)
Calibration	3 point NIST Traceable upon request
Accuracy Certificate	Yes
Other Certification	ISO9001:2008, CE, RoHS
Battery Life	1-2 years (depending on usage)
Interface	USB
Software	Console Plus, free download on www.cryopak.co.uk
Default File Format	PDF & CVT
Data Export	TXT, CSV & CVT
Security	Password protected (programmable using Console Plus Software) encrypted binary file is generated along with PDF



Multi-function display



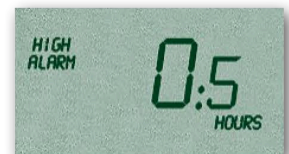
LCD displays the highest recorded reading



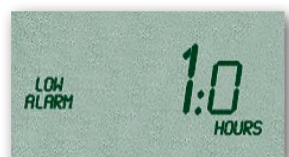
LCD displays the lowest recorded reading



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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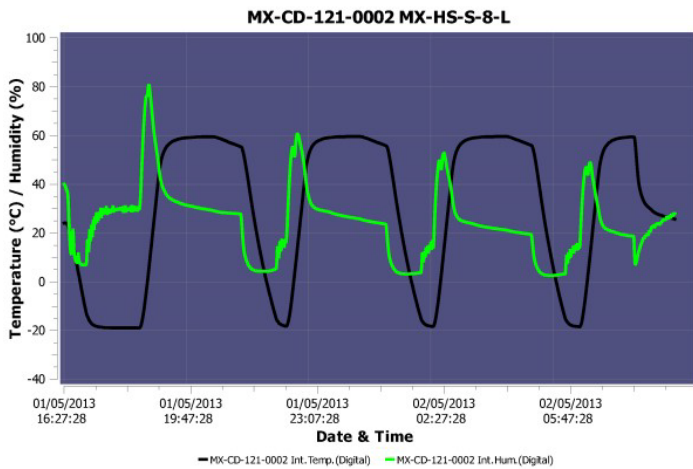
CONSOLE PLUS SOFTWARE

Cryopak
a TCP Company

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MX-CD-121-0002
17:17:33 02/08/2013

Device Specification	
Serial	MX-CD-121-0002
Product Code	MX-HS-S-8-L
Firmware Version	iMini Ver_01_40 4/29/2013
Mem. Size	8K Rec.
Temperature / Humidity	-40/+80 (°C) 0-100%
Battery	High
Trip #	1
Description	ESCORT Verification Tech.
Unit Mode Programmed	Celsius (°C)
Program: Start At:	-
Program: Start button after:	00d 00:00
Program: Stop At:	-
Program: Stop after # records:	2000
Program: Interval:	00h01m00s
Program: Continuous Logging:	-
Program: Stop button enabled:	Yes
Program: Stop after # records:	Yes
Program: Memory Used:	24%
Number of Records	2000
Started Time:	01/05/2013 16:27:28
Stopped Time:	02/05/2013 09:06:58



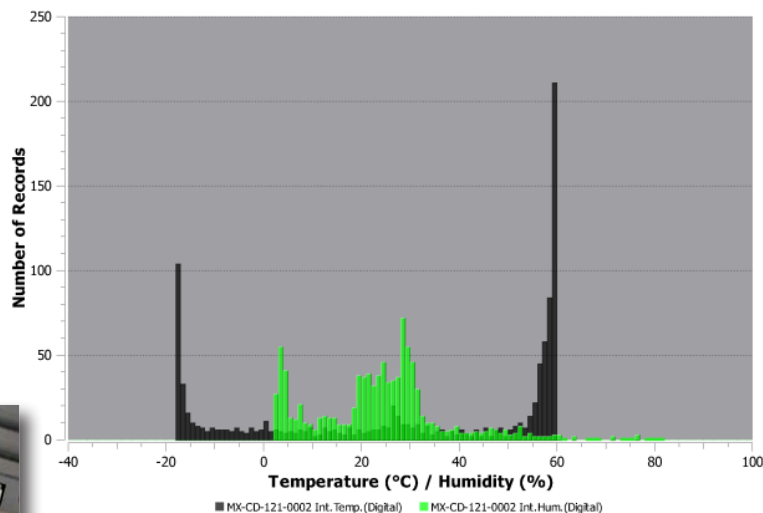
#	Date	Time	T°C	H%	eT°C	#	Date	Time	T°C	H%	eT°C
1	01/05/13	16:27:28	24.1	40.0		51	01/05/13	17:17:28	-18.0	26.7	
2	01/05/13	16:28:28	24.2	39.6		52	01/05/13	17:18:28	-18.1	23.8	
3	01/05/13	16:29:28	24.1	39.4		53	01/05/13	17:19:28	-18.2	25.9	
4	01/05/13	16:30:28	24.1	38.5		54	01/05/13	17:20:28	-18.2	28.3	
5	01/05/13	16:31:28	23.9	37.7		55	01/05/13	17:21:28	-18.3	24.3	
6	01/05/13	16:32:28	23.6	37.2		56	01/05/13	17:22:28	-18.4	28.6	
7	01/05/13	16:33:28	23.2	35.9		57	01/05/13	17:23:28	-18.5	25.2	
8	01/05/13	16:34:28	22.7	31.4		58	01/05/13	17:24:28	-18.5	28.6	
9	01/05/13	16:35:28	22.1	24.4		59	01/05/13	17:25:28	-18.5	27.4	
10	01/05/13	16:36:28	21.3	18.6		60	01/05/13	17:26:28	-18.6	27.5	
11	01/05/13	16:37:28	20.2	13.7		61	01/05/13	17:27:28	-18.5	30.3	
12	01/05/13	16:38:28	18.9	11.6		62	01/05/13	17:28:28	-18.6	26.2	
13	01/05/13	16:39:28	17.5	11.2		63	01/05/13	17:29:28	-18.6	30.2	
14	01/05/13	16:40:28	16.3	14.6		64	01/05/13	17:30:28	-18.7	28.1	
15	01/05/13	16:41:28	15.3	21.8		65	01/05/13	17:31:28	-18.7	27.6	
16	01/05/13	16:42:28	14.4	19.7		66	01/05/13	17:32:28	-18.7	28.8	
17	01/05/13	16:43:28	13.5	13.4		67	01/05/13	17:33:28	-18.8	28.0	
18	01/05/13	16:44:28	12.4	10.7		68	01/05/13	17:34:28	-18.8	30.1	

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MX-CD-121-0002
17:17:33 02/08/2013

Alarms	Int. Temp.	Int. Hum.
Alarm HH	60.0 (°C)	80.0 (%)
Alarm H	30.0 (°C)	60.0 (%)
Alarm L	20.0 (°C)	40.0 (%)
Alarm LL	-20.0 (°C)	20.0 (%)
Consecutive alarm delay	1	1
Total alarm delay	1	1
out of specification HH	09h21m00s	00h21m00s
out of specification H	09h21m00s	00h19m00s
out of specification L	05h51m00s	09h24m00s
out of specification LL	05h51m00s	14h55m00s
Value Max:	59.6 (°C)	81.0%
Value Avg:	30.2 (°C)	24.1%
Value Min:	-18.9 (°C)	2.5%
MKT (83.144 kJ/mol)	27.1 (°C)	-



OUR CUSTOMERS ALSO ORDER :

Cryo-Box : insulated packaging
in assembled polyurethane



iMiniPlus PDF :
reusable temperature data logger



Phase 22™ : +15°C / +25°C
Positive pharmaceutical refrigerant



Flexible Ice Blanket™:
eutectic mats or flexible ice blankets

Pallet Transporter :
insulated pallet boxes



iLog : reusable temperature
and/or humidity data logger