

CRYO-TEMP SPECIFICATIONS*

TEMPERATURE

-----	SENSOR:	NTC Thermistor
-----	MEASUREMENT RANGE:	-86°C to +35°C recommended, may be used up to +55°C
-----	RESOLUTION:	0.1°C
	Calibrated Accuracy:	±1.0°C
	Specified Accuracy Range:	-80°C to 0°C
	Readings:	32,767
	Recording Interval:	5 seconds to 30 minutes, selectable in software
	Start Modes:	Immediate start, delay start or manual start with magnetic switch
	Programmable Start Delay:	Up to 30 days from PC launch or manual start
	Temperature Alarm:	Software programmable high and low alarm limits, high and low warn limits Each setpoint may be individually enabled or disabled
	Alarm Delay:	Software programmable time delay for warn/ alarm limits. Logger will not indicate out of range status until the temperature has been out of range for a set period of time.
	Status Indicators:	Green: Blinks to indicate safe conditions during logging Yellow: Blinks to indicate warn limits have been exceeded Red: Blinks to indicate alarm criteria (limits/ delay) have been exceeded

Password Protection: An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.

Calibration: Digital calibration is available to the user through software

Calibration Date: Automatically recorded within device

Power: 3.6V lithium battery (LTC-7PN), factory replaceable only

Battery Life: 2 years typical @ 25°C, 1 min. reading intervals
1 year typical @ -80°C, 1 min. reading intervals

Time Accuracy: ±2 minutes/month max. at 20 to 30°C
±5 minutes/month max at -80°C

Data Format: Date and time stamped °C, °F, K, °R

Computer Interface: USB docking station to PC (IFC300)
38,400 baud

Software: Windows 95/98/ME/NT/2000/XP based software

Operating Environment: -86°C to +35°C (may be used up to +55°C);
0 to 100% RH

Dimensions: 3.3" x 2.1" x 0.4" (83 mm x 54 mm x 11 mm)

Ingress Protection/IP

Rating: IP64 (splash resistant, not submersible)

Enclosure: ABS plastic, white, polycarbonate labeling

Weight: 1.4 oz (40 g)

Compliance: CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD.
DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F,
INCINERATE OR EXPOSE CONTENTS TO WATER.

SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics:	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	Export Data:	Export data in a variety of common formats, or switch to Excel® with a single click
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	Calibration:	Automatically calculate and store calibration parameters
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	Logger Configuration:	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Formatting Options:	Change colors, line styles, plotting options, show or hide channels quickly	Printing:	Automatically print graphical or tabular data

ORDERING INFORMATION

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.

<u>Model</u>	<u>Description</u>	<u>Price (U.S.)</u>
CRYO-TEMP	Ultra Low Temperature Recorder	\$199.00
IFC300	Software, manual, docking station and USB connection cable (required)	\$99.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing



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