AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

Summary Sheet



Thermo-Hygrometer Data Logger Model 1246

Cat. #2121.73
Temperature: Range 14° to 140°F (-10 to 60°C), Resolution 0.1°F/0.1°C; Humidity: Range 3.0% to 98.0% RH; Resolution 0.1% RH
Designed for simplicity and one-hand operation. NTC temperature sensor provides excellent response time to changes in temperature, good repeatability, and accurate readings. Thin film polymer capacitive type relative humidity sensor offers excellent recovery from 100% moisture, fast response time, and durability.

Cat.#2121.73

Channel	Two with LCD display and Backlight	
Input	Sensor: Capacitive for Humidity and semiconductor for Temperature	
Relative Humidity		
Measurement Range	3 to 98.0% RH	
Accuracy	±2%RH + 1 ct (10 to 90%HR)	±4%RH + 1 ct (outside this range)
Resolution	0.1%RH	
Temperature		
Sensor	Semiconductor	
Measurement Range	14.0° to 140.0°F	-10.0° to 60.0°C
Accuracy	50.0° to 104.0°F: ±2.5°F + 1 ct	10.0° to 40.0°C: ±0.5°C + 1 ct
Resolution	0.1°F	0.1°C
Dew Point		
Measurement Range	14.0° to 140.0°Ftd	-10.0° to +60.0°Ctd
Accuracy	±1.8°F >30% ±2.7°F from 20 to 30%RH	±1°C >30% ±1.5°C from 20 to 30%RH
Resolution	0.1°F	0.1°C
Recording	Manual start/stop on the product Short press for MEM: spot recording/long press for REC at the defined default rate Programmed recording: start date, recording interval, and end date defined using DataView® software	
Alarm	Alarm threshold settable on teh software / Recording can be triggered on an alarm threshold	
MIN-MAX-HOLD	yes	

For more details, download the datasheet or user manual at www.aemc.com

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Sampling Rate	Programable from 1s, 2s, 5s, 10s, 20s, 30s, 2min, 5min, 10min, 15min, 30min, and 1hr
Memory	1,000,000 measurements on each channel (4MB). Recorded data is stored in non-volatile memory and will be retained even if battery is low or removed.
Communication	USB 2.0 and Bluetooth 4.0 BLE range 10m typicall
Power Source	3x1.5V AA (LR6) alkaline batteries or USB port (micro-USB adaptor offered as an accessory)
Battery Life	1000 hrs., 3 years when recording with 15 minute intervals
Dimensions:	7.36 x 2.84 x 1.28" (187 x 72 x 32mm)
Weight (with battery)	14.1oz (400g) with batteries
Case	Polycarbonate
Operating Temperature	14° to 140° F (-10° to 60°C)
Storage Temperature	-4° to 140° F (-20° to 60°C)
Relative Humidity	Up to 90%
Ingress Protection (IP)	IP54 with USB connector closed and protective cap in place
EMC	EN 61326-1
Safety Compliance	IEC 61010-1
Warranty	2 years

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