N2013



Diligence EV Temprature and Humidity Logger with LCD Display

Diligence EV temperature and humidity data loggers: compact, durable, lightweight and designed for use in many applications including the food, pharmaceutical and chemical industries and the monitoring of medicines and other sensitive materials in transit or storage. The loggers are also ideal for building services, scientific experiments, production processes and heating, ventilating and air conditioning systems.

N2013 features:-

* LCD display for temperature and humidity readings and alarm indication
* Internal temperature and external humidity sensors

Measurement ranges:
Temperature -20°C/-4°F to + 60°C/+140°F
Humidity 0 to 97% RH non condensing

All models feature:-

* Tough, moulded cases, dust and waterproof to IP67 standards
* Large memory capacity of up to 16, 000 readings
* Ability to log over multiple periods
* Compatibility with the versatile and proven Evolution WindowsTM software
* Single, multi-function button
* LED indicators to show active logging and alarm conditions, plus audible alarm warning
* Temperature system accuracy, suitable for food industry applications
* Long battery life
* Two year warranty

Sensor Type	
Temperature	Thermistor
Measurement Range	
Temperature	-20°C to +60°C/-4°F to +140°F
Humidity	0 to 97% RH non condensing
Scales	
Temperature	°C or °F
Humidity	RH or DP
Display Resolution	
Temperature	0.1°

Humidity	0.1% RH
System Accuracy	
Temperature	
-25°C to +50°C	±0.5°C
-13°F to +122°F	±1°F
-40°C to +80°C	±1°C
-40°F to +176°F	±2°F
-40°C to +150°C	±2°C (typical)
-40°F to +302°F	±4°F (typical)
Humidity	
-20°C to +60°C	±3% RH
-4°F to +140°F	±3% RH
Memory 32K	
1 channel	16000 samples
2 channels	8000 samples
Communications	via infra-red interface
Download Time	3 minutes for 10, 000 readings (typical)
Logging Frequency	Programmable between 1 second and 99 hours
Internal Sensor Response Time	T90 =15 to 30 minutes in ambient air
Ambient Storage	-40°C to +70°C/-40°F to +158°F
Logging Start	Programmable date and time or manual start from instrument multi-function button
Software	Windows based Evolution software requiring Windows 95, 98 or NT operating systems
Battery	1 x AA size 3.6V replaceable lithium battery, part number A17476
Battery Life	Up to 5 years

Case Material	ABS
Environmental Protection	IP67, EN60529, IEC529
LED Indication	
Red =	alarm
Green =	logger active
Dimensions	L 88mm/3.5ins (including fixing lug) W 80mm/3.1ins D 35mm/1.4ins