Temperature and Relative Humidity Logger - LogBox-RHT-LCD

LogBox-RHT-LCD is dual channel data loggers with built-in temperature and relative humidity sensors. They use a high quality industrial grade humidity sensor for accurate and reliable operation in applications such as transportation, food and goods storage, process auditing, pharmaceutical, HVAC and others.
They can be easily programmed and set via a handy infrared IR-LINK 3 interface connected to a USB port under Windows® software or with a PalmOS compatible PDA IrDA interface. LogChart II software allows for logger configuration, recorded data retrieval, plotting, historical analysis and it exports data to spread sheets.
In the LogBox-RHT-LCD the temperature and humidity values are shown in the digital display. You can also check on the display the Minimum and maximum recorded values.

Características

Temperature measurement

Range: -40 to 80 °C. Resolution: 0.1°C

Response time:up to 30 s in fairly still air

Humidity measurement

RH Range: 0 to 100 %RH. Resolution: 0.1 %RH

Dew point range: -40° to 100 °C. Resolution 0.1 °C

Response time: 8 s in fairly still air, from 20 to 80 %RH

Memory for 32,000 recordings in one channel or 16,000 recordings for each channel

Recording interval: programmable from 1 s to 18 hours

Logger start: immediately, outset by the device's button, by date/hour or by a programmed setpoint

Logger stop: at full memory; at some specified date and hour, number of samples or never (circular memory)

Infrared communication range: 50 cm, 30° angle

Internal replaceable lithium cell (3.6V ½ AA) weekly

Estimated battery life: up to 200 days with one weekly download and 5 minutes measuring interval. Battery life depends heavily on data retrieval frequency.

Configuration and data retrieval software for Windows XP, Vista, 7 and PalmOS

Operating temperature: -40 °C to 70 °C

Enclosure: IP65 (electronics), IP40 (sensor probe), flame retardant, ABS+PC

Dimensions: 70 x 60 x 35 mm