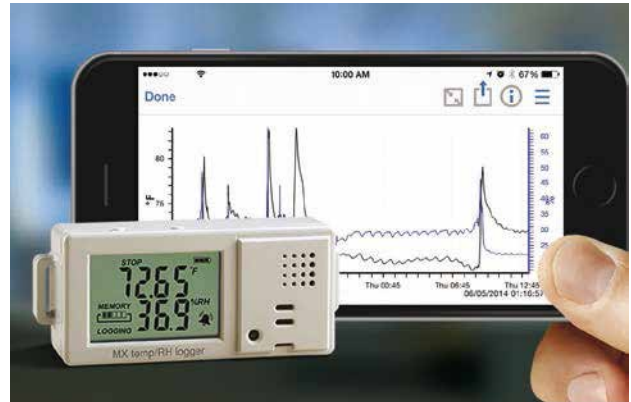# DIGITRON HLX1101 Data Logger

Bluetooth low energy temperature and relative humidity data logger

DIGITRON HLX1101 is a Low Energy (BLE) data logger that measures and transmits temperature and relative humidity data wirelessly to mobile devices via BLE Smart technology.

The self-contained wireless data logger, which works with DIGITRON's free mobile app for logger setup and data management, enables users to access data anytime from their mobile device over a 100-foot range. It communicates instantly and enables you to "cut the cord" by requiring no dedicated equipment beyond a mobile device for configuring the logger or reading out data. This saves considerable time and money.

Supported Measurements:
Temperature, Relative Humidity, Dew Point

Key Advantages:

• BLE enabled for use with mobile devices
• No internet access, cables, or computer required
• Download data any time from 100 ft. away
• Audible and visual alarms keep you notified of problems
• Easily share data and graph images for analysis
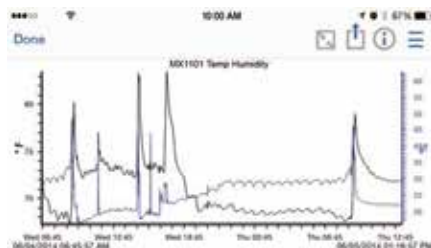
Minimum System Requirements:

mobile app   Mobile device*

Using DIGITRON's free mobile app, you can view data in graphs, check the operational status of loggers, configure alarm notifications, and share data files.
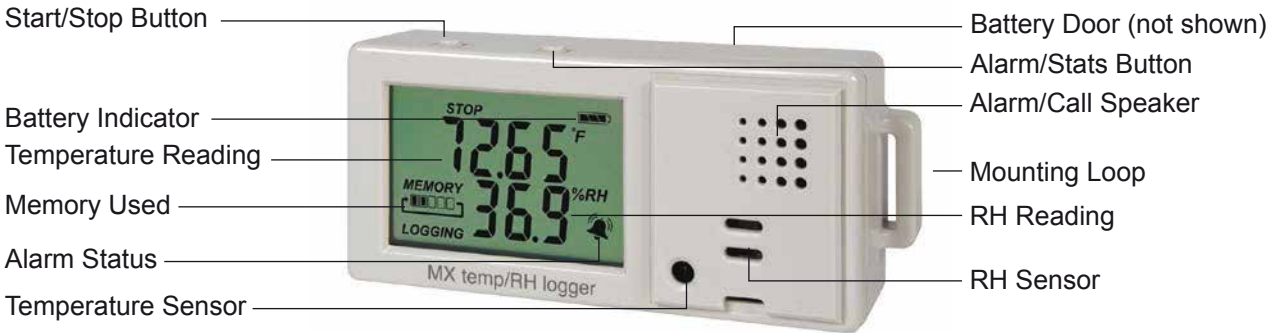
The logger is ideal for use in a range of building monitoring applications, such as tracking storage temperatures in a food warehouse, keeping tabs on humidity levels in a museum, or investigating occupant comfort complaints in an office building.

*Mobile device with: -iOS 8.0, 8.1, 8.2, 8.3 -Bluetooth 4.0

DIGITRON HLX1101 Data Logger

Start/Stop Button

Battery Indicator

Temperature Reading

Memory Used

Alarm Status

Temperature Sensor

Battery Door (not shown)

Alarm/Stats Button

Alarm/Call Speaker

Mounting Loop

RH Reading

RH Sensor

Part number	HLX1101
Memory	84,650 Measurements
Sampling Rate	1 second to 18 hours, user selectable
Battery Life	1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater, user replaceable, 2AAA
Dimensions	3.66 x 8.48 x 2.29 cm (1.44 x 3.34 x 0.9 in.)
Temperature	
Range	-20° to 70°C (-4° to 158°F)
Accuracy	±0.21°C from 0° to 50°C (±0.38°F from 32° to 122°F)
Resolution	0.024°C at 25°C (0.04°F at 77°F)
Response Time	7.30 minutes in air moving 1 m/s (2.2 mph)
Relative Humidity	
Range	1% to 95%
Accuracy	±2% from 20% to 80% at 25°C (77°F)
Hysteresis	±2% RH
Resolution	0.01% at 25°C (77°F)
Response Time	20 seconds to 90% in airflow of 1 m/s (2.2 mph)
CE compliant	Yes
Mobile Device Compatibility	iOS 7.1 or later, or Android 4.4 or later, and Bluetooth 4.0 or later
Bluetooth Compatibility	Bluetooth 4.0 or later (Bluetooth Low Energy, Bluetooth Smart)