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data logger can well be described as some sort of essential components that are used for instruments and sensors. These are electronic devices that help in recording data while maintaining the time of recording as well as location status.

Most of the modernized loggers available these days are purely based on digital processor as well as integrated interface with suitable computing systems. This process helps much in analyzing the recorded information in a proper way. For large sized data logging, it is necessary to have a central computing system present for quick interaction on information needs. However, those units that are smaller in size will never opt for large sized computer systems. Rather, they, themselves are stand-alone devices with small LCD screens being attached along with a suitable keypad for operation purpose. In fact, these portable data loggers are more popular these days and can be seen in several types of corporate houses, irrespective of size.

Practically speaking, there are mainly 4 different types of data loggers available in market.

Loggers that provide single input (Low-cost)

These have non-customizable functions and are very specific. A very common example of this type is temperature loggers used in storage room.

Loggers with Multi Channels (Fixed)

These are a type of mounted units which are used for collection and storage of different data types under one single location. Common examples include pressure readings, leak detection, and RH in manufacturing plant.

Loggers with Multi-Channels (Handheld)

These are portable in nature and are used mostly in laboratories. Common example is sampling worktops in laboratories.

Data Loggers (Modular)

These are plug and play devices that can be configured according to oneâ€™s needs and requirement. These types of loggers are more flexible and easy to operate.

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