

Digital Data Logger, Temperature Monitoring

What is a [digital data logger](#)?

A [digital data logger](#) is a device used to sample temperature and/or humidity and then store it electronically. It is primarily used as a [temperature monitoring](#) device in large freezers and/or stores.

In most cases a [digital data logger](#) needs a PC to work with (with notable exception of ThermaViewer, that can work all by itself).

Important factors

When you decide to buy a [digital data logger](#), you need to think about a few things first. As there are many data loggers available, choosing the one that will meet all your expectations can be a daunting task. Before you go shopping for your [digital data logger](#) you consider the questions below.

How much data do you want to collect?

Are you going to monitor temperature for a few days, or will this installation be more permanent and collecting temperatures over months and years?

Where will it be placed?

Placement is a very important consideration when you buy a [digital data logger](#), as this has a great impact on the digital data logger properties. For example, if it's going to be used for [temperature monitoring](#) in the freezer, you will need a [digital data logger](#) that uses remote sensors. You surely won't be opening the freezer all the time only to check the temperature. On the other hand if you need to monitor the room temperature, remote sensors will be only a nice add-on.

What do you need it for?

Do you need [temperature monitoring](#) as a safety factor that will turn on the alarm when the temperature is too high or too low? Is it going to be a helpful, but non-vital gadget in your server room? Answers to these questions will tell you a lot about which [digital data logger](#) you should buy.