

Distance Meters

Work Efficiently With Distance Meters

Measuring an area with a traditional tape measure can take a lot of coordinated effort, and in some cases, may require the help of an additional person. For people who have to take measurements as part of their everyday work routines, this can get tedious and time consuming. Distance meters provide the perfect solution for this problem. A distance meter is a device that uses a laser light to accurately gauge the distance to a surface in the direction the device is pointed.

How It Works

Laser light is concentrated. As such, pointing a laser light at a wall will reveal a tight circle of light as opposed to the dispersed light of a say, a flashlight. The unique properties of laser light allow its use in a number of application. Laser distance meters, also known as laser tape measures, use laser light to measure distances by directing light towards a wall and recording the time it takes to hit the surface. Some devices also measure distance by reflecting the laser light back towards the device to then record the time elapsed between the two points. The constant speed of light allows these types of calculations to take place. Once the distance has been measured, it is typically displayed on a screen connected to the laser tape measure.

Benefits

One **advantage of using distance meters** is their portability. The device is easily included as part of a person's everyday tool kit. Additionally, some devices can make volume and area calculations once distances are measured. For people who routinely measure the area of a room, for example, this can save a lot of time over the long run.

A distance meter is also accurate. Traditional tape measures can involve hastily writing down eye-balled measurements, while laser meters can free up your hands for other

uses, including recording data and filling out paperwork. Sometimes, measurements of out-of-reach areas may complicate the measuring process. With a laser distance meter, you can point the device at walls and ceilings that you may not be able to access with a manual tape measure.

Uses

General contractors can use distance meters in uncountable ways. For instance, a contractor that is providing a quote for a potential customer can use a distance meter to quickly and professionally measure distances that determine the cost of their services. However, the devices are not just for contractors. Individuals who are undertaking home improvement projects such as remodeling can make use of a laser tape measure. Basically, anyone who takes measurements can benefit from a laser distance meter. Engineers and architects use the devices, as do painters and roofing companies. The principles that allow a laser tape measure to operate are used in other similar devices to map areas topographically, and for land surveying measurements.

Purchasing Options

The size and weight of the device is one important aspect to consider when purchasing a laser distance meter, as there is a good chance you may be carrying the device around frequently. For the same reason, the battery life of the distance meters is a feature to check. The accuracy rating of the meter is also something to consider and compare between different models and products. Different devices vary based on the distances they can measure, with some devices accurately measuring up to 50 feet. If you are looking for the perfect distance meter to compliment your work day, consider purchasing a device from a company with experience providing professional-grade equipment to customers.

Source: <http://www.testinstrumentsafrica.com/wordpress/distance-meters/>