

# Why should we use an electronic hydrometer to measure tilt?

Hydraulic ruler is a versatile measuring device used to measure tilt, angle, balance ... in many areas of life, production, construction and scientific research. Let's find out why electronic tape measure is one of the most popular and most popular lines in nivo!

**In this article, TipsMake.com will explain the reasons why popular electronic hydro meters are used as well as introduce you to some good quality electronic ruler sizes, which are highly appreciated today!**

Hydraulic ruler (also called ruler nivo or livo ruler) is a device that is no stranger to those who do interior design, mechanics, construction . to be able to measure tilt, tilt, weight Equal, slope . quickly and accurately. Water meters have quite a number of different types, but nowadays, many hydroelectric meters are appreciated by many users for accuracy and convenience during measurement. Find out more about the characteristics of this electronic nivo as well as some experience to choose a digital inclinometer effectively!

## Quick review of content

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## What is hydroelectric ruler?

The hydro-electronic ruler is also made of aluminum and is based on the balance of the water foam in the two tubes vertically and horizontally on the ruler to determine the tilt or balance of the surface of the item, the plane. The difference is that this digital meter is applied modern technology, allowing to calculate and automatically display the measurement results on the electronic screen quickly as well as perform more utilities than with traditional mechanical scale.



Compact, durable hydroelectric ruler, for quick measurement results with high accuracy.

## Why is electronic tape ruler popular?

Hydraulic ruler is widely used to measure slope, slope, balance . to support quality control, frame, mold making, design . in many different areas such as internal design. furniture, construction, mechanics, surveying, scientific experiments . The reason why hydroelectric ruler is now more and more popular is because of the following advantages:

1. **High accuracy** : The electronic hydrometer is applied modern technologies and electronic angle sensors, so it is capable of measuring and calculating and processing the measurement results quickly and accurately. The measurement results are displayed clearly and clearly on the electronic screen, which greatly reduces errors and saves time effectively when users have to read by their own eyes.
2. **Enhance convenience** : Electronic rulers are often equipped with features like can be measured in 4 directions; measure angles in a wide range (from 0 degrees to a maximum of 360 degrees); can measure tilt through units of degrees, mm / m or%; can remember, copy old measuring results; sound alert; has the function of finding intelligent points, selecting alternative points; It is possible to integrate point lasers to allow the tilt to be extended; The screen can automatically rotate . making measuring easy, fast and convenient.
3. **Compact, durable design** : Electronic hydrometer is usually made of high-grade aluminum material, so it is light and durable with impact resistance, high temperature, good wet weather, ensuring effective operation in many different environments. In particular, there are digital inclinometer models that are also equipped with a glowing screen to assist users to use even measuring locations with poor visibility. The battery-powered machine is easy to replace, so it is convenient to use in the field.



Hydroelectric ruler is easy to manipulate in many locations.

## **What do I notice when choosing electronic hydrometers?**

Hydropower hydroelectricity on the market today is quite diverse, there are cheap types only about 1 million VND but also expensive to tens of million VND. When choosing to buy electronic hydrometers, you should note the following points:

1. Select reputable brands such as Bosch, Stanley, Total . to ensure quality, accuracy when measuring and durability of the best products.
2. Priority should be given to models with compact design, easy to carry around when traveling for outdoor use, off-site or high-altitude measurement. In addition, if you often work with surfaces of iron and steel, it is recommended to choose a magnetic digital inclinometer (with a magnet inside the body) to easily fix the measurement on the surface to be measured. , help you measure more accurately and hands-free as well as avoid dropping the ruler if you need to measure it high.
3. Need to rely on the needs of their actual use to select equipment with appropriate features, avoid waste.

## **Which type of hydroelectric ruler is good?**

Here are some samples of watermark from Bosch brand of Germany that are highly appreciated by the users for your reference and easily choose a product of the best tilt scale:

**Product**

**Bosch GIM 120**

**Bosch DWM 40L**

**Bosch GIM 60L**

**Image**



**META.vn**



META.vn



META.vn

Reference price

VND 4.4 million

4.5 million

VND 6.2 million

## **Guarantee**

6 months

6 months

6 months

## **Length**

120cm

40cm

60cm

## **Scope of work**

0 - 360 degrees  
(4 x 90 degrees)

0 - 220 degrees

0 - 360 degrees  
(4 x 90 degrees)

## **Accuracy**

- Electronic measurement accuracy at 0 degrees / 90 degrees:  $\pm 0.05$  degrees
- Electronic measurement accuracy at 1 - 89 degrees:  $\pm 0.2$  degrees
- Accuracy of measuring water pipe foam:  $\pm 0.057$  degrees
- Angle measurement accuracy:  $\pm 0.1$  degrees
- Accuracy of measuring water pipe foam:  $\pm 0.057$  degrees
- Electronic measurement accuracy at 0 degrees / 90 degrees:  $\pm 0.05$  degrees
- Electronic measurement accuracy at 1 - 89 degrees:  $\pm 0.1$  degrees
- Accuracy of measuring water pipe foam:  $\pm 0.057$  degrees
- Vertical laser accuracy:  $\pm 0.5\text{mm} / \text{m}$
- Horizontal laser accuracy:  $\pm 1\text{mm} / \text{m}$

See prices

Best View price

Best View price

the best

# What to note when using electronic hydrometers?

In the process of using electronic hydrometers, you should note the following points:

1. Read the instruction carefully to know how to calibrate, calibrate the ruler before using it (if necessary) and know how to manipulate the ruler to ensure the highest accuracy of the measurement results.
2. In the course of use, it is necessary to limit the drop of the ruler, the liquid pouring into .
3. When not in use, power off to save battery power. If not used for a long time, remove the battery from the ruler to prevent leakage.
4. After use, it is necessary to clean the rinse well and store it in a dry place, avoiding high temperature and humidity.

Hopefully, the above information has helped you to better understand the scale of tilt measurement and help you no longer have to worry when choosing to buy this measuring device to use at home or for the work of I'm more efficient!

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