

## SENSOR TUBULAR INTEGRADO DE TEMPERATURA Y HUMEDAD DEL SUELO BELL-SENTUBINT-HYS



**SKU:** B-01-62-0100-0035 | **Categorías:** [Automatización y Mecatrónica](#) |

## DESCRIPCIÓN DEL PRODUCTO

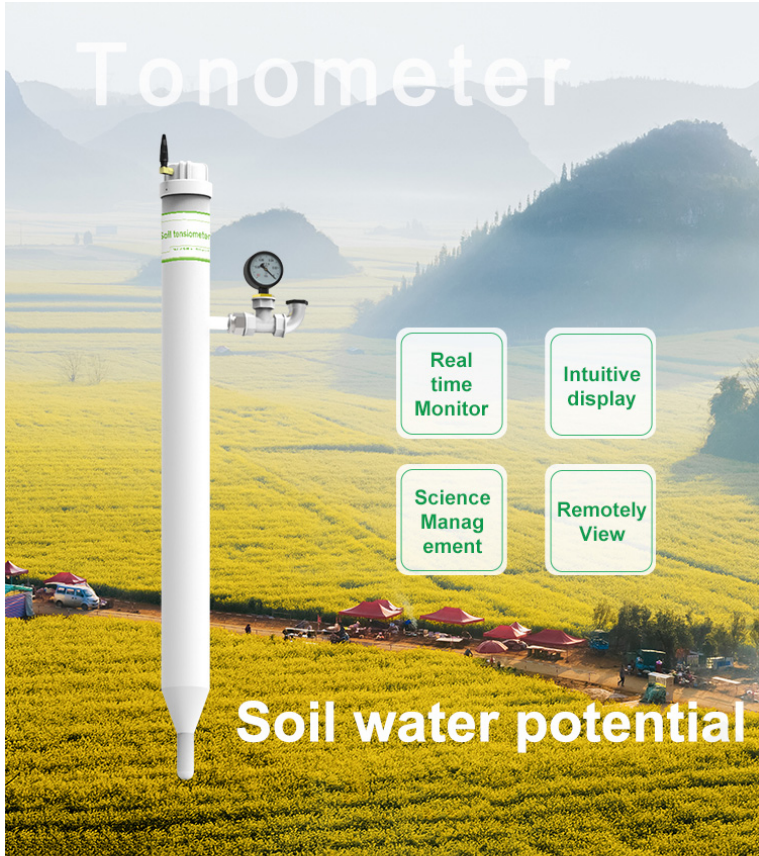
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- Real time Monitor
- Intuitive display
- Science Management
- Remotely View

## INSTALLATION METHOD

1. Hold the handle firmly with both hands and press down and turn it clockwise.



2. After filling the soil drill, pull it out and clean it, repeat this process until the corresponding depth is met.



- 3. Prevent the soil from falling into the hole.
- 4. Repeat drilling to the right size.
- 5. Put the monitor into the hole that has been drilled. The insertion and removal should be smooth. If it does not go well, use a soil drill to expand the not smooth part.
- 6. Prepare the mud, the mud cannot be too thin nor too thick.



7. Pour the mud into the hole, about half of the hole, then insert the monitor into the hole, and rotate the monitor left and right to distribute the mud evenly around the monitor. While rotating, insert it downwards. If the monitor is inserted downwards with damping during this process, it indicates that there is air in the mud. At this time, move the monitor up and down and rotate left and right to exhaust the air.



8. When the monitor is installed to a suitable depth (the ground plane and the 0cm point of the monitor are on a horizontal plane), some overflowing mud will accumulate around the installation hole, and the installation is now complete. (Note that the mud must overflow to exhaust all the air inside the hole) The standard grouting results are as follows:



9. During the installation process, please tilt the solar panel to the south at about 45 angles to allow it to receive the sun to the greatest extent. After the bracket is installed, connect the waterproof plug on the solar panel cable to the power data interface on the moisture meter.



## Product description

### Tonometer —

The soil tensiometer uses a negative pressure meter to measure soil moisture. It is researched from an energy perspective. Practical means to study soil water movement.

It is a very practical instrument that reflects soil moisture conditions and guides irrigation equipment.



## Product features

### Smart Agriculture Scientific Irrigation

The soil water tension measured by the soil tensiometer is the suction force of the soil to water.

The wetter the soil, the lower the suction power for water; the opposite is greater. When the soil moisture increases until all the voids are filled with water, the soil water will expand. The force will drop to zero. In other words, the soil moisture content reached saturation. Saturated moisture content of various soils, in terms of weight moisture content and volumetric water content are inconsistent, but for soil water tension in terms of being consistent, all are zero. Broken capillaries in various soils. The moisture content is also inconsistent, while the soil tension is almost the same. Each kind of soil changes from saturated moisture content to capillary rupture moisture content. Within the breadth, the effect and influence of soil water on crops are basically the same. Under the same soil water tension index, different soils have different water content, but the same soil water energy index has an impact on crop growth. In terms of water demand and root absorption, they are the same.

Fill the inside with boiled water  
When the soil is dry, the water in the tensiometer seeps  
Stop oozing when wet

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## INFORMACIÓN ADICIONAL

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