

# WATER LEVEL METER



## Introduction

SISCO's Water level meter is the new patented products . The new integrated circuit board design and development . With the function of polarization resistance excitation circuit and corrosion-resistant electrode to effectively prevent the electrode oxidation rust, keeping long-term sensitivity.

Water level meter can be widely used in water conservancy project , hydrology, geography, environmental protection and other areas of industry and agriculture fields ;

The water level meter is made of the probe, steel ruler and reel .Put the probe to the water slowly, when the probe touch the surface of water , the electric potential will be happend . After dealing by circuit board . the sound or light will be indicated , then you could check the height between the surface of the water to the ground , easily operating .

## Features

- 1. Quick response circuit design, high detect speed, high sensitivity
- 2. Adapt to various environmental and regional water quality
- 3. Low power consumption, battery-powered use two years at once
- 4. The cable has a ruler scale to measure the water level directly

## Application

- 1. water conservancy, environmental protection engineering
- 2. Hydrography
- 3. Rural Irrigation
- 4. Dam
- 5. Beware of rivers, power station
- 6. The underground water level and well water level

### Steel rule cable:



## Technical Specifications

Item	Parameter
Shell material	ABS, Metallica
Shell color	blue, yellow, black
Measurement range	30m, 50m, 100m, 200m, 300m, 400m, 500m
Battery power	9V lithium battery
Instrument for temperature	-20℃~+60℃
The response time for output	≤1ms
Measurement error	≤±0.5mm
Adaptation range of water quality	10μω~1000μω
Measurement signal	LED, buzzer, electricity meter
Construction of cable	conductor: Multi-strand tinning copper wires twisted core wire: Special PP mixed insulation ecderon: Special PUR or PE mixed ecderon color : natural color
Rated voltage	300V
Testing Voltage	2000V
Insulation resistance	>200MΩ×km
Flame retardant	IEC60332-1
Temperature range	-40℃~+90℃

## Structure principle

- The reading consists of two parts:
- Ground receiving instrument - Water level meter, is made up of probe, steel ruler cable, receiving system and wire reel etc.
- 1.Probe: stainless steel material, with water resistance point of contact in inside , when the probe contact the water, it will turn on the receiving system automatically, when the probe contact out of the water , the system will automatically turn off the receiver.
  - 2.steel ruler cable:the ruler and the two wires together using plastic technology , not only prevent the corrosion of steel ruler , but also simplifies the process of operation , it make reading more convenient and more accuracy.
  - 3.Receiving system:made up of the sounder and peak indicating, sounder emits a continuous beeping sound from the buzzer , the peak indicated as voltmeter pointer , the two can be selected via DIP switch, no matter what kind of reception systems, the measurement result is the same.

## Use method

- 1.Before to use , loose the screws in the back of the wire spool . only allow free rotation of the wire spool, press the power button ( power indicator light ) , the water level probe into the tube , holding ruler cable , so probe move down slowly when exposed to the probe contacts the surface,it will emits a continuous beeping sound from the buzzer , then read out the result.
- 2.If there is a larger noise when measuring environment is bad, you can switch to a peak indication , as long as the selector switch on the instrument panel, it can be released to the voltage block , measurement method as above, the measurement range is the same.

## Attention

- 1.When probe touch the water, it will make sound immediately, or the voltmeter will have indicate. you should move down probe slowly and carefully to find position of sound or indicate after reading out the depth dimensions of the pitch orifice.
- 2.The accuracy of reading, which is determined by the starting position of the buzzing sound or instructions , operator proficiency measurement accuracy and relevant , it should be repeated exercises and operations.