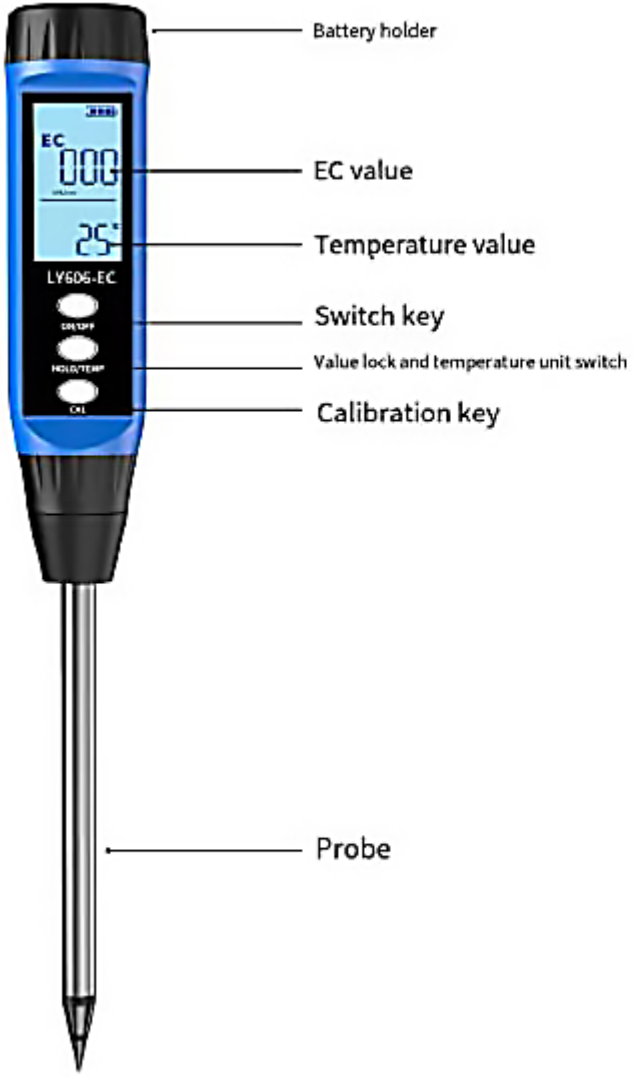
sisco



LY606 soil EC fertility speedometer

Executive standard: Q/XLY 001-2022

The metal probe of this detector is a custom sensor made of new materials. To achieve the soil, hydroculture substrate for convenient and rapid EC value determination.

Technical parameters:

Model number	LY606 Soil EC detector	
Measuring range	EC	0.00 10.00 ms/cm
	TEMP	-30.0℃ to 80.0℃
		-22.0℉ 176.0℉
Resolution	EC	0.01 ms/cm
	TEMP	0.1℃; 0.1℉
Calibration mode	Single point (1413uS/cm) calibration (calibrated before factory)	
Electrode	Replaceable electrodes	
Temperature compensation	Automatic compensation	
Battery charge	Low battery alert	
Backlight	Support backlight	

Power off	Automatic power off in about 5 minutes
Power supply mode	3*1.5v button battery
Use environment	0℃-80℃ RH: Max 90%
Probe length	138mm

Steps to use:

1. Press the on button to turn on;
2. Quick test method: First will be tested soil measuring point, with pure water (or distilled water) poured through at least 10CM depth (the best humidity 70-80%), and then the instrument metal probe, vertically clockwise inserted in about 8cm depth of wet soil, so that the soil and probe metal surface easy and uniform contact, response time is about 10 seconds or so, the number displayed by the instrument, That is the actual measurement value. The tightness of the soil will directly affect the error of the measurement value, so it is required that the multi-point measurement of the above method must be carried out at different measuring points to order the average value.
3. Immediately after each measurement, clean the surface of the metal probe with a paper towel or cleaning cloth until the instrument returns to a state that displays zero values.
4. Calibration method: under normal circumstances, before the instrument leaves the factory, the factory has calibrated, the user does not need to recalibrate. If after a period of use, the measurement accuracy of the instrument decreases or is inaccurate, the user can carry out a simple correction to the instrument. That is, the instrument is inserted into 1413uS/cm standard solution for calibration.

Notes on the instrument

1. The instrument metal probe inserted in the soil or paste soil (other measured media) should not be too long, so as to avoid oxidation and water seepage, thereby damaging the metal surface and internal structure of the probe, resulting in inaccurate or unstable measurement data of the instrument. After each use of the instrument, it is necessary to use paper towels or cleaning cloth to completely clean the metal probe surface residues, and use paper towels to blot the surface of the metal probe.
2. After use, press the switch key to shut down, clean the electrode to reduce pollution after saving.
3. When the instrument is not in use, it is necessary to put on the protective cap on the metal probe, do not rub the surface of the metal probe directly with your hand, and keep it clean and dry, away from magnetic objects and other metal objects.
4. During use, insert the electrode into the soil to avoid collision with hard objects as much as possible.
5. After the low battery alarm, replace the battery in time to ensure the normal use of the product.

Soil EC Range

Total salt content (mS/cm)	Saline soil type	Total salt content (mS/cm)	Saline soil type
1.0-2.0	Lightly salinized soil	4.0-6.0	Strength salinized soil
2.0-4.0	Medium saline soil	> 6.0	Saline soil