

HTYWS-H Electrolytic Moisture Analyzer



I. Introduction

Instrument adopts a powerful new generation processors and peripheral circuits, which with excellent low-power performance makes it possible to use small battery power supply, and then achieve the portable function; measuring electrode signal as a criterion of electrolysis end, its stability and accuracy is the key factor affecting the measurement accuracy. The use of advanced devices and methods can achieve the precise detection of measuring electrode signal; with new software compensation correction algorithm to improve the measurement accuracy; LCD display with touch keys, the display interface with curve is intuitive and friendly.

II. Features

1. Adopts 240x128 dot matrix LCD, unmarked keys, friendly interface;
2. Using the electrolysis circuit of switch constant-current source, reduce power consumption of the instrument;
3. The instrument with battery, after the battery is fully charged, under normal test state continuous use more than 8 hours; and with battery power detection and display function
4. High-precision measuring electrode signal and detection circuit can determine the electrolysis end quickly and accurately, and with strong anti-interference ability;
5. The use of blank current compensation and equilibrium point drift compensation to correct the measurement results;
6. Three formulas for users to choose, automatically calculate the moisture content
7. 10 gears stirring speed adjustment; 10 gears electrolysis-gain adjustment
8. With measuring electrode open-circuit fault, short circuit fault automatic detection functions;
9. Automatically store historical records, up to 255 groups;
10. Calendar clock with temperature compensation is accurate, and can automatically records the date and time of test; it can run more than 10 years in the power-down state;
11. With the screen protection function, do not operate the instrument for a long time, turn off the LCD screen to extend the life of the LCD, press any key to exit the screen protection state;
12. With USB interface, it is convenient to communicate with the computer.

III. Parameters

Accuracy	Amount of electrolysis water: 10ug~1000ug accuracy: ± 2 ug; >1000ug , accuracy : 0.2%
General electrical parameters	Measuring range: 0ug~100mg
	Resolution : 0.1ug
	Maximum electrolysis speed: 40ug/s
	Power supply: AC220V \pm 20%
	Maximum power consumption: 30W
	Environment temperature: 10~35°C
	Humidity: \leq 85%
	Dimension : 320x240x150(mm)
Weight : 5kg	