

MarMonix

# Multi-Function Ground Resistance Clamp Meter

Model: MEG-825

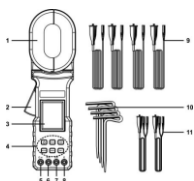


## Short Introduction

■ **MarMonix MEG-800** series of ground pile clamp grounding resistance meter is a high-end instrument specially designed and manufactured for on-site measurement of grounding resistance, soil resistivity, grounding current and grounding voltage. The instrument adopts advanced digital processing technology, with various measurement methods such as clamp meter method, two-wire method, three-wire method, four-wire method, selection method, etc., and the instrument is imported into FFT (fast Fourier transform) technology and AFC (automatic frequency control) technology, which has unique anti-interference ability and environmental adaptability, and strong consistency of repeated tests, so as to ensure high precision, high stability and high reliability of measurement.

**MarMonix MEG-800** series of ground pile clamp grounding resistance meter is composed of the main engine, test wire, auxiliary grounding rod, communication software, communication line, etc. The host adopts a 2.5-inch color LCD screen, and the instrument has a storage function, a clock function, and automatically stores 500 sets of test results containing date and time. The instrument has the Bluetooth communication function that supports the Android system, and after installing the APP, it can be tested or read on the mobile terminal, bringing you a new experience. The instrument uses a large-capacity rechargeable lithium battery with a USB charging interface, and is widely used in electric power, telecommunications, meteorology, oil fields, construction, lightning protection and industrial electrical equipment and other industries.

## MarMonix MEG800 Series






### Software Installation

Use mobile phone to scan the QR code to get the APP software download link, corresponding permissions when installing, please click need to obtain the Agree or Allow.

### Product Model

Model	Resistance Range	Soil Resistivity Range	Earth Current Range	Earth Voltage Range	Bluetooth
MEG 825	0.00Ω~20kΩ	0Ωm~9999kΩm	0.000mA~20A	0V~600.0V	Yes
MEG 925	0.00Ω~200kΩ	0Ωm~9999kΩm	0.000mA~45A	0V~600.0V	Yes

Overflow Display	Exceed measuring range overflow function: "OL" symbol display
Working Current	Measuring: 600mA Max(Max backlight)
Alarm Function	When the measured value exceeds the alarm setting value, will have "beep-beep-beep--" buzzer alarm prompt.
Battery Voltage	When battery voltage drop to DC 3.5V±0.1V, will display battery voltage low symbol"  ", and remind to charge.
Automatic Shutdown	Automatically shut down after 5 minutes start up and without any operation.
Bluetooth Communication	Yes, support Android System.
USB Interface	Yes, only for charging
Working Temperature & Humidity	-10°C~40°C, below 80%rh
Storage temperature & humidity	-20°C~60°C, below 70%rh
Protection Level	IP65(close the case)
Overload Protection	Measure earth resistance: between each interfaces of C(H)-E、P(S)-ES,AC 280V/3 seconds
Insulation Resistance	Over 20MΩ(between circuit and outside shell is 500V)
Withstanding Voltage	AC 3700V/rms. (Between circuit and outside shell)
Electromagnetic Features	IEC61326(EMC)
Protection Type	IEC61010-1(CAT III 300V、CAT IV 150V、Pollution 2); IEC61010-031; IEC61557-1(Earth resistance); IEC61557-5(Soil resistivity); JJG 366-2004(Grounding resistance meter) JJG 1054-2009(Clamp grounding resistance meter)

### Standard Package

Simple testing Wire	2 PCS: each for red 1.6m and black 1.6m
USB communication cable	1 PCS
5V Charger	1 PCS
Test ring (5.1Ω)	1 PCS
Manual /Warranty Card / Qualification Certificate	1 SET

### Technology Specification

Influence Quantity	Base Condition	Working Conditions	Remark
Ambient Temperature	23°C±1°C	-10°C~40°C	----
Ambient Humidity	40%-60%	< 80%	----
Working Voltage	DC 3.8V±0.2V	DC 3.5V±4.2V	----
Auxiliary Earth Resistance	< 100Ω	< 5kΩ	
Interference Voltage	Should avoid	< 5V	
Interference Current	Should avoid	< 1A	
Electrode Distance when measuring R	a>5d	a>5d	
Electrode Distance when measuring p	a>20h	a>20h	

### 2.2. General Specification

Model		
Earth Resistance Range	0.00Ω~20kΩ	0.00Ω~200kΩ
Soil Resistivity Range	0.00Ωm~9999kΩm	0.00Ωm~9999kΩm
Earth Current Range	0.000mA~20A	0.000mA~45A
Earth Voltage Range	0.0V~600.0V	0.0V~600.0V
Power Supply	DC 3.7V 2600mAh rechargeable battery, full charge about 4.2V	
Display Mode	2.5inch colorful LCD screen	
Earth Resistance Measurement Method	Clamp method, 2-wire method, 3-wire method, 4-wire method, selection method	
Test Frequency	128Hz/111Hz/105Hz/94Hz(AFC auto select frequency)	
Short-circuit Test Current	AC 10mA max	
Open-circuit Test Current	AC 14V max	
Electrode Distance Range	1m~100m	
CT Size	65X32 mm	
Tester Dimensions	307mm(H)X98mm(W)X56mm(H)	
Tester Weight	Clamp tester: 1112g(with battery), Total weight: 5.1kg(include all accessories)	
Test Wires	4 wires: each for red 20m, black 20m, yellow 10m, and green 10m	
Simple Test Wires	2 wires: each for red 1.6m and black 1.6m	
Auxiliary Grounding Rod	4PCS: Φ9mm X230mm	
Measuring Rate	Earth resistance: about 15s/times	
	Earth current: about 2tims/s	
	Earth voltage: about 2tims/s	
Measuring Times	Over 5000 times (Short-circuit test, interval time should be at least 30 seconds)	
Line Voltage	Measurement below AC 600V	
Data Hold & Store	Data hold function: "HOLD" symbol display, and will auto store the hold data, which can store 500 groups max	
Data Access	Data read function: "READ" symbol display	