



TIANJIN GREWIN TECHNOLOGY CO.,LTD.

Web:www.grewin-tech.com WhatsApp:+86-13072088960

Email:salesmanager@grewin-tech.com



FLD-903P

Digital Step Voltage Pinpointing Device

User Guide

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1.Introduction

The FLD-903P digital step voltage pinpointing device is a high capacity device integrated computer technology and digital signal processing technology. It is used to pinpoint metallic sheath grounding fault of the underground power cable, special the single-core HV cable.

It is also used to assistant pinpoint the core-grounding fault when the sheath is broken.

It could also be used to test the fault cable resistive current by current transducer to section fault locating.

Matched with FLC-900D HV signal source, FLD-903P could be used to pinpoint the EHV cable sheath grounding fault.

2.Design Features

FLD-903P digital step voltage pinpointing device

- Indicate the fault point direction directly, find the fault point easily
- High sensitivity and widely responding range
- Digital signal processing technology to display signal waveform directly. High anti-interference
- Automatic zero setting to offset ground potential variation effect
- Testing the resistive current by current transducer and cable fault section
- High capacity rechargeable lithium battery.Max.15 hours work time
- Low battery indication.
- Auto power off when under-voltage and long-time no-operation

3.Tech. Specifications

Signal receiving mode	Voltage signal: probe input Current signal: current transducer input
Max. testing sensitivity	Voltage signal 0.1mV;Current signal 5mA
Signal max. input range	Probe 300V
Display	Signal waveform, fault point direction, battery lever
Power supply	7.4V,2400Mah rechargeable
Volume	210mm×122mm×125mm;probe: Φ30×1100mm
Weight	Main unit:0.5kgs;probe:0.5kgs
Operating Temperature	-10℃ — 40℃
Humidity	5-90%RH
Elevation	<4500m

4.Physical Characteristics

Device includes:

Main unit, 2X probes, current transducer, check below fig.1

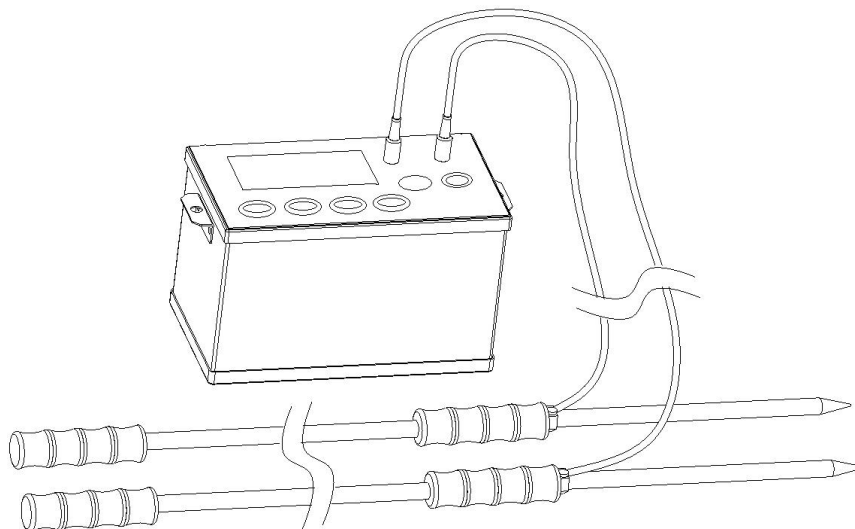


Figure1. Device appearance

Main unit panel:

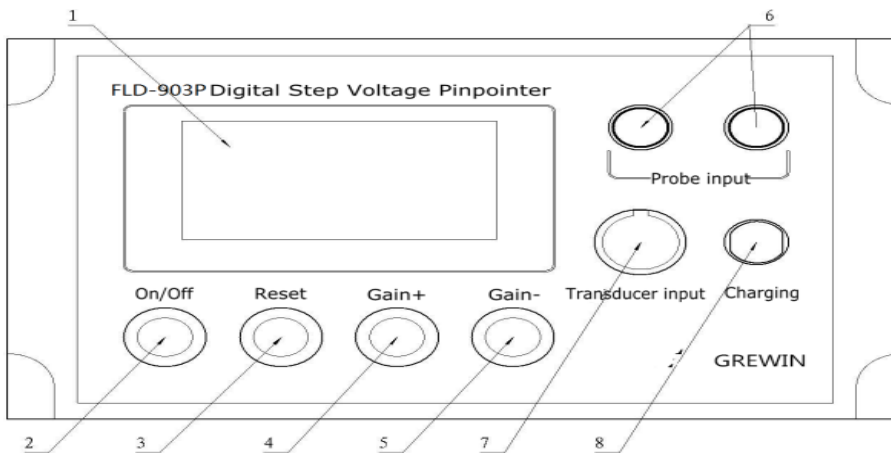


Fig.2 Panel introduction

Introduction:

- 1: LCD screen: display waveform, fault point direction, gain, battery level and so on
- 2: On/Off: Press more than 1 second to start the device
- 3: Reset: Press it to change the testing position and re-testing
- 4: Gain+: Increase the signal gain
- 5: Gain-: Decrease the signal gain
- 6: Probe input: Connect with the probe for voltage signal input
- 7: Transducer input: Connect with the current transducer to test the current signal
- 8: Charger: Built-in battery charging