

# NALGT电缆故障测试仪

产品名称	NALGT电缆故障测试仪
公司名称	南澳电气（武汉）有限公司
价格	10.00/台
规格参数	品牌:南澳电气 型号:NALGT 生产厂家:南澳电气(武汉)有限公司
公司地址	武汉市东湖高新技术开发区光谷大道60号光谷科技产业园8栋
联系电话	027-87677658 15327206266

## 产品详情

### 产品简介

NALGT电缆故障测试仪是高科技的产物，它采用了当今世界先进的计算机技术，是本公司博采国内外众多智能型电缆故障测试仪之特长，研制开发的超级智能型电缆故障测试仪。本测试仪采用了专家智能软件系统的微机硬件，使其具有强大的高速数据采集与大规模数据处理能力，超大屏幕的彩色液晶显示，使采集的波形正规、线条细、拐点明显，更加提高了测试的准确性。正因为如此才使本测试仪具备了当今市场上功能全，功能键少、智能化程度高、操作简单、可扩充性强、真正便携可靠等六大特点。NALGT电缆故障测试仪的推出，开创了一个智能电缆测试仪的新时代。

NALGT型电缆故障测试仪，采用现代经典的冲击高压电流取样法、低压脉冲法等多种测试方法，对各种类型动力电缆的短路故障、断路故障、高阻闪络故障、高阻泄漏故障等多种故障进行故障分析、检测、定点。同时也可对控制电缆、市话电缆以及同轴通讯电缆出现的短路、断路故障进行初测，也可对电缆全长进行校对。

### 产品别名

电缆故障检测仪、高压电缆故障测试仪、电缆故障仪、定点仪、路径仪、电缆故障寻径仪、电缆故障寻踪仪、便携式电缆故障定位系统、电缆故障闪测仪、电缆故障定点仪、电缆路径仪

### 产品特性

1.可测试各种型号不同电压等级的铜、铝芯电力电缆和市话电缆的各种故障。常见的油浸纸电缆、交联聚乙烯电缆、不滴流电缆和塑料电缆四种常用电力电缆的电波传播速度已经在仪器中预置，一些特殊电缆的电波传播速度可在现场利用键盘临时预置，电缆长度及故障距离无须人工换算，由仪器自动换算并显示故障距离。

- 2.可测试各种型号电缆的开路、低阻故障及电力电缆的高阻闪络性故障和高阻泄漏性故障。
- 3.对于简单的开路、短路故障波形仪器能自动分析自动由双游标标出故障点，并显示故障距离无须人工干预。
- 4.一屏可同时显示两幅波形（故障波形、全貌波形），给用户分析波形带来极大方便。
- 5.屏幕显示波形可任意扩展、压缩、左移、右移。
- 6.仪器配有面板式微型打印机，可随时打印测试波形、数据及其它有关内容。
- 7.仪器的操作过程均由专家汉字提示，就是初次使用也可以操作自如。
- 8.仪器内存有操作使用说明，可随时调用显示学习。
- 9.可同时显示两次测试波形或同屏比较显示一次测试波形与一个标准波形。
- 10.可现场存储近千个测试波形，不怕掉电并可长久保存于仪器内。
- 11.本仪器软件完全标准化设计，可将仪器软件拷贝与任意一台PC机。
- 12.具有测速（电波在电缆中的传播速度）及测时（故障点回波时间）功能。
- 13.仪器内存有多种测试标准波形，用户可随时调出学习参考。
- 14.可直接采用多种测试方法，无须对仪器本身进行调整。

## 产品参数

### 测试距离

单端测试距离 20千米

### 测试距（盲区）

小于 $V/15$ （米）其中： $V$ 电波在被测电缆中的传播速度

### 测试误差

#### 相对误差

$\pm 2\%$

#### 误差

故障点在千米以内 15米;故障点在千米以上 20米

#### 故障定点误差

$\pm 0.5$ 米

## 读数分辨率

V/60米其中：V电波在被测电缆中的传播速度。如：“油浸纸电缆”，电波传播速度为160m/us仪器的读数分辨率为2.66米，即屏幕上光标每移动一点，读数变化2.6米。

## 电源

AC 220V ± 10% 50HZ

## 环境条件

### 温度

-10 ~50

### 相对湿度

80% ± 5%

## 主机体积

350mm × 250mm × 200mm

## 主机重量

5kg

## 测试仪的组成

1.NALGT电缆故障测试仪 主机2.NALGT多功能同步精确定点仪3.NALGT高压取样器4.NALGT放电球间隙

## Product introduction

NALGT cable fault detector is to cater to industrial-grade power industry solutions and IT era of rapid development, the original cable fault tester limitations, using industrial embedded computer platform systems, network services, USB communication technology systematic, very greatly improve the instrument's functions and use value and convenient on-site environmental operations. Especially for the growing number of buried cable provides a unique data management software. The entire system meets national new power industry standard "DL/T849.1 ~ DL/T849.3-2004" special test equipment electrical equipment General technical conditions, the system is tested by the system host and the fault locator and meter three-part cable path for all kinds of power cable fault test, cable path, the depth of buried cables and cable testing archives to find the daily maintenance and management, as well as railways, airports and signal control cables, and streetlights accurate cable fault testing

## Also called name

Cable fault tester, high voltage cable fault tester, cable fault tester, pointing device, path analyzer, routing cable fault

tester, cable fault Pursuit, portable cable fault location system, flash cable fault tester, cable fault sentinel, cable path analyzer

## The Characteristics of the products

The first use of industrial embedded computer platform system , industrial use of the environment , to achieve strong stability. Lithium-powered , convenient on-site testing.

China's first 12.1-inch large-screen LCD , the entire computer XP operating platform integrated software , bid farewell to the era of cable tester chip and equipped with cable fault testing software and cable data management software.

Using the latest USB communication interface , signal acquisition and stable, with a laptop computer can achieve dual control dual display , the host can automatically choose the lowest 6.25MHz, the sampling frequency up to 100MHz five kinds to meet the testing requirements of different cable lengths , reducing a rough measurement errors.

Software fault auto search , close automatically, double cursor can be accurate to 0.15 meters , arbitrary waveform can be compressed , expanded , with the screen closer to the standard randomly display two waveforms for accurate comparison you analyze , improve test accuracy , reduce errors .

Support for the latest launch of 3G communications terminal or wireless network card , a dedicated 3G software enables real-time testing expert remote site technical services, expert remote control hosts , giving users on-site testing to provide timely , accurate waveform analysis and exchange of guidance, so you worry work .

4G electronic waveform memory multi-class live and on-site physical wiring diagram, gently point you can use the cable data cable management software, file management can do well for the cable maintenance work and precise positioning to provide reference and help.

Pinpoint key instrument in part, directly by the digital display test distance from the point of failure , is the same as another sentinel technology innovation, to quickly and accurately find cable faults , reducing power loss to provide a strong guarantee.

Newly developed intelligent modular sampler , replacing the cumbersome field wiring , has a waveform intuitive, easy to analyze , with the high pressure completely isolated, the host , the operator absolute security features.

High pressure discharge section three kinds to choose from, a national initiative latest TEXT-G35 replaced by high frequency high voltage power supply 8.9kg 65kg test transformer and control box , fill a gap.

## The parameters of the products

### 1, Test distance

Unilateral test distance: 20km

### 2, Shortest test distance (blind area): $< V/15(m)$

"V" means the propagation speed of waves in the cable to be tested

### 3, Testing error

relative error: 2%

absolute error: fault point is within 1000m, the error: 15m

fault point is more than 1000m, the error: 20m

the error of fixed fault point: 0.5m

4, Readout resolution:  $V/60m$

"V" means the propagation speed of waves in the cable to be tested. Such as " Oil impregnated paper cable ", the propagation speed of waves is 160m/us, the minimum readout resolution is 2.66m, it means the cursor on the screen move every point, the reading changes 2.6m.

5, Power: AC 220V  $\pm$  10% 50HZ

6, Environment

Temperature: -10 ~ 50 Relative humidity: 80%  $\pm$  5%

7, The volume of the host: 350mm\*250mm\*200mm

The weight of the host: 5KG

8, The configuration of equipment:

NALGT: the host of cable fault detector

NALGT: Multifunctional synchronization precision fixed-point meter

NALGT: High voltage sampler

NALGT: Discharge gap

Power supply: AC 110V/115V/120V/127V/220V/230V/240V optional

Input frequency: 50Hz/60Hz optional

Note: The users can select the corresponding power which based on their local supply voltage and frequency, and we will confirm it before the delivery (or inform us that the goods will be used in which country advance)