

NAYJFH型PT二次压降负载在线测试装置

产品名称	NAYJFH型PT二次压降负载在线测试装置
公司名称	南澳电气（武汉）有限公司
价格	1.00/台
规格参数	品牌:南澳电气 型号:NAYJFH 生产厂家:南澳电气(武汉)有限公司
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产品详情

NAYJFH型PT二次压降负载在线测试装置

NAYJFH PT secondary load on - line testing device

功能简介

能实现三相三线，三相四线、单相全自动测量；

使用工程塑料机箱，结实耐用，有效保障测试人员及系统安全；

仪器具有量程自动切换功能，保证测试精度；

采用电子式原理线路结合DSP技术是使测试稳定性好，抗干扰能力强；

测量完毕，自动计算和负荷相关的各项参数，便于客户分析和试验。

采用大屏幕中英文液晶显示，所有操作均由中英文菜单提示；
数据具备掉电存贮及浏览功能，能与计算机联机传送数据。

采用大容量7.2V11Ah锂电池供电，对测试回路不产生任何影响，避免系统出现保护的情况。同时在现场无供电电源的情况下使用。

二次压降负载测试，采用钳型电流表采样电流，不需要断开二次回路。可以实现不停电在线测量。自动切换量程：测量过程中可以根据测试对象数值的不同切换到不同的位置，使测量精度和显示位数得到保证。

工作时间可以长达24小时。

附有轻巧充电器，方便测量，在电池电量不足的情况下可以外接充电器测量。

仪器体积小，重量轻。

宽阔的二次工作电流/电压范围。在50mA的工作电流下，能分辨1m Ω 的电阻和电抗，能测试二次额定电流为5A的S级电流互感器的在线实际负荷；在5V的工作电压下，能分辨0.001mS的电导和电纳。

能存储480组测量数据，断电后能保持十年。

中英文界面大屏幕显示，带有RS-232通讯接口。

主要技术指标

1. 环境条件

- 1). 温度：-5 $^{\circ}$ C ~ 40 $^{\circ}$ C
- 2). 相对湿度：<95% (25 $^{\circ}$ C)
- 3). 海拔高度：<2500m
- 4). 外界干扰：无特强震动、无特强电磁场

2. 二次压降负载测试时仪器主要技术指标

1). 测量范围：比差：0.001% ~ 19.99%角差：0.01' ~ 599'

2). 分辨率：比差：0.001%角差：0.01'

3). 仪器基本误差

—— $DX = \pm (1\% \times X + 1\% \times Y \pm 2 \text{个字})$;

—— $DY = \pm (1\% \times X + 1\% \times Y \pm 2 \text{个字})$ 。

2个字——仪器的量化误差

4). 电压表头准确度：0.5%

5). 工作范围

——电压：(50 ~ 120)V

6). 仪器指示动作值(提示错误)

——误差：比差大于20%或角差大于600'。

——电压：电压<2.0V。

3. PT二次负荷测试时仪器主要技术指标

1). PT二次负荷测试

——导纳测量范围:0.1ms—50.0ms

——导纳测量准确度:

——二次电压 (50V - 120V)

$DX = \pm (1\% \times X + 1\% \times Y \pm 2 \text{个字})$

$DY = \pm (1\% \times X + 1\% \times Y \pm 2 \text{个字})$

2个字——仪器的量化误差

注意：测量值在0.2mS以下时，测试电压应保持在50V以上，同时注意钳表的穿心导线保持居中。此时仪器量化误差为5个字

2). 电压表头：0.5%

4. CT二次负荷测试时仪器主要技术指标

——阻抗测量范围：0.1 —50.0

——阻抗测量准确度：

电流表头：1%

Main Features

to achieve three-phase three-wire, three-phase four-wire, single-phase automatic measurement;

use of engineering plastic chassis, get to know durable, effective protection of test personnel and system security;

instrument has a range of automatic switching function to ensure that the test accuracy;

the use of electronic principles of the line with DSP technology is to make the test stability, anti-interference ability;

measurement is completed, the automatic calculation and load-related parameters, to facilitate customer analysis and testing.

using large-screen LCD display in English, all operations by the Chinese and English menu prompts; data with power-down storage and browsing capabilities, can send data with the computer on-line.

7.2V11Ah lithium battery with high-capacity power supply, the test circuit does not have any effect, to avoid the system appears to protect the situation. While in the field without power supply in the case of use.

second load test, using clamp-type ammeter sampling current, do not disconnect the secondary circuit. Can achieve non-blackout on-line measurement. Automatic switching range: the measurement process can be different

according to the test object to switch to a different location, so that measurement accuracy and display digits are guaranteed.

working hours can be up to 24 hours (the longest).

with a lightweight charger to facilitate measurement, in the case of battery power can be an external charger measurements.

equipment, small size, light weight.

wide secondary operating current / voltage range. In the 50mA operating current, can distinguish 1m resistance and reactance, can test the secondary rated current of 5A S-class current transformer on-line actual load; 5V operating voltage, can distinguish between 0.001mS conductance and susceptance .

can store 480 sets of measurement data, power can be maintained for ten years.

Chinese and English interface large screen display, with RS-232 communication interface.

Main Specifications

1. Environmental conditions

1). Temperature: -5C ~ 40C

2). Relative humidity:<95% (25C)

3). Altitude:<2500m

4). External interference: no special strong vibration, no special strong electromagnetic field

2. Secondary pressure drop test equipment, the main technical indicators

1) Measuring range: difference: 0.001% to 19.99% Angle difference: 0.01 'to 599'

2) Resolution: Difference: 0.001% Angle difference: 0.01 '

3) Basic error of the instrument

- $X = (1\% X + 1\% Y^2 \text{ words});$

- $Y = (1\% X + 1\% Y^2 \text{ words}).$

2 words - quantization error of the instrument

4). Voltage meter accuracy: 0.5%

Scope of Work

- Voltage: (50 to 120) V

6). Instrument indicates the action value (prompt error)

- Error: the difference is greater than 20% or the difference is greater than 600 '.

- Voltage: Voltage < 2.0V.

3. PT secondary load test equipment, the main technical indicators

1). PT secondary load test

- Admittance measurement range: 0.1ms-50.0ms

- Admittance Measurement Accuracy:

- Secondary voltage (50V-120V)

$X = (1\% X + 1\% Y^2 \text{ words})$

$Y = (1\% X + 1\% Y^2 \text{ words})$

Note: When the measured value is less than 0.2mS, the test voltage should be kept above 50V, and pay attention to the centripetal wire of the clamp. At this point the instrument quantization error of 5 words

2). Voltage meter head: 0.5%

4. CT secondary load test equipment, the main technical indicators

- Impedance measurement range: 0.1 -50.0

- Impedance measurement accuracy:

Current meter head: 1%