NALC气体瓦丝继电器压力释放阀测试装置

产品名称	NALC气体瓦丝继电器压力释放阀测试装置
公司名称	南澳电气（武汉）有限公司
价格	.00/套
规格参数	品牌:南澳电气 型号:NALC 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

NALC automatic gas relay pressure relief valve test device

NALC气体（瓦丝）继电器压力释放阀全自动测试装置

产品特点 Tester Features

1、NALC型气体继电器检测台，采用的嵌入式系统控制技术，综合用户的实际需求而推出的新一代气体继电器试验检测系统。本系统采用了油泵—流量计连续测量方法，可分别对φ25、φ50、φ80毫米管径的国内外气体继电器的流速、容积和密封进行检测，且实验过程无须人工参与。

2、嵌入的PC系统，采用全彩触摸显示器，可简单直观的对系统进行流速、容积、密封试验的相关操作，并同时编辑打印相关检测报告，且可以保存数据以便随时调阅和打印。由于采用嵌入式设计，由PC控制，操作界面友好，整机自动化程度高等特点。

产品结构

1、结构特点

（1）外部机柜采用冷扎板折边成型工艺制造，外形尺寸2400×650×1570mm(长×宽×高)，整机总重170 kg；

（2）夹紧器采用螺杆棘轮方式夹紧被试件；

（3）油箱采用非承压式结构，侧面设有油位计；

（4）在被试件的安装位置处设有防护罩；

2、电气及控制系统

（1）工作环境：－10~＋50℃，相对湿度<85%；

（2）电气主线路采用AC380V，总功率11KW；

（3）油泵电机采用AC380V，功率5.5KW；

（4）电动执行元件采用AC220V/DC24V电源控制，功率0.25KW；

（5）控制系统采用AC220V/DC24V电源控制，功率0.25KW；

（6）油加热器：AC220V,功率5KW；

（7）采用19寸全彩触摸显示器，中英文图形显示，操作过程由系统自动完成，无需人工干预；

（8）采用虚拟投影键鼠。此技术为二维投影成像，在触屏前方的工作台面上，投影出一个红色与标键盘大小一致的虚拟投影键盘，操作人员可用此键盘对试验报告内容进行编辑。操作人员还可通过此键盘快捷键，完成键盘和鼠标的切换，并通过虚拟键盘上的快捷键关闭投影键鼠，再通过固定手势打开。

（9）嵌入PC系统可直观的对重瓦斯流速、轻瓦斯容积、密封检测的单项和综合项目进行操作，并同时编辑打印试验报告；

（10）PC系统内安装由我公司自主开发，具有完全知识产权的专业测量控制软件，并且可实施网络远程系统升级和维护。

（11）远程技术支持：如现场操作人员需要技术支持，设备只需接入外围网络，远程端技术人员即可对设备进行远程操控及设备软件升级。

主要技术性能

1、测量范围

（1）重瓦斯流速检测

φ25毫米管径的流速范围：0.6~3.9m/s；

φ50毫米管径的流速范围：0.6~3.0m/s；

φ80毫米管径的流速范围：0.6~2.0m/s。

（2）轻瓦斯容积检测

检测范围：0~950ml。

（3）密封检测压力及时间范围

密封检测压力范围：0~250KPa；

密封检测时间范围：0~60min。

2、精度

（1）流速检测精度：1.5级【厂标1.0级】；

（2）流量计精度：0.5级【厂标0.2级】；

（3）重瓦斯流速重复检测误差：

φ25毫米管径的流速±0.05m/s【厂标±0.04m/s】；

φ50毫米管径的流速±0.04m/s【厂标±0.03m/s】；

φ80毫米管径的流速±0.02m/s【厂标±0.02m/s】。

（4）重瓦斯流速显示位数：0.00m/s；

（5）轻瓦斯容积重复检测误差：±10ml；

（6）轻瓦斯容积显示位数：0.00ml;

（7）密封重复检测误差：±2.5Kpa；

（8）密封显示位数：0.00Kpa。

Features Tester Features

1, NALC type automatic gas relay test bed, using the latest embedded system control technology, integrated user's actual needs and introduced a new generation of gas relay test detection system. The system uses oil pump - flow meter continuous measurement method, respectively φ25, φ50, φ80 mm diameter gas relay at home and abroad flow rate, volume and seal detection, and the experimental process without human intervention.

2, embedded PC system, the use of full-color touch display, the system can be simple and intuitive flow rate, volume, seal test-related operations, and edit the relevant test report printing, and can save the data at any time to access and print. As a result of embedded design, controlled by the PC, user-friendly, high degree of automation.

Product structure

1, the structural characteristics

(1) The external cabinet is made of cold rolling board, with the dimensions of 2400 × 650 × 1570mm (length × width × height), the total weight of the whole machine is 170kg;

(2) clamping device using a screw ratchet way to clamp the specimen;

(3) the tank is non-pressure structure, the side with a level gauge;

(4) A protective cover is provided at the installation position of the test piece;

2, electrical and control systems

(1) the working environment: -10 ~ +50 °C, relative humidity<85%;

(2) The main electric circuit adopts AC380V, the total power is 11KW;

(3) oil pump motor with AC380V, power 5.5KW;

(4) electric actuators AC220V / DC24V power control, power 0.25KW;

(5) control system uses AC220V / DC24V power control, power 0.25KW;

(6) oil heater: AC220V, power 5KW;

(7) with 19-inch full-color touch display, full Chinese and English graphic display, the process automatically by the system, without human intervention;

(8) the use of virtual projection mouse and keyboard. This technology for the two-dimensional projection imaging, in front of the touch screen work surface, the projection of a red and the size of the keyboard consistent with the virtual projection keyboard, the operator can use the keyboard to edit the contents of the test report. Operators can also use this keyboard shortcut to complete the keyboard and mouse to switch, and through the shortcut keys on the virtual keyboard to close the projector mouse and keyboard, and then open the fixed gesture.

(9) embedded PC system can be intuitive on the heavy gas flow, light gas volume, seal detection of individual and integrated projects to operate, and at the same time edit the print test report;

(10) PC system installed by our own independent development, with full intellectual property rights of professional measurement and control software, and can implement network remote system upgrades and maintenance.

(11) Remote technical support: If the site operator needs technical support, the equipment only needs access to the peripheral network, and the remote end technical personnel can remotely control the equipment and upgrade the equipment software.

Main technical performance

1, the measurement range

(1) heavy gas flow detection

Φ25 mm diameter of the flow rate range: 0.6 ~ 3.9m / s;

Φ50 mm diameter of the flow rate range: 0.6 ~ 3.0m / s;

Φ80 mm diameter of the flow rate range: 0.6 ~ 2.0m / s.

(2) light gas volume detection

Detection range: 0 ~ 950ml.

(3) seal detection pressure and time range

Seal detection pressure range: 0 ~ 250KPa;

Seal detection time range: 0 ~ 60min.

2, precision

(1) flow rate detection accuracy: 1.5 [factory standard 1.0];

(2) flow meter accuracy: 0.5 [factory standard 0.2];

(3) repeated gas flow rate detection error:

Φ25 mm diameter of the flow rate ± 0.05m / s 【Factory standard ± 0.04m / s】;

Φ50 mm diameter of the flow rate ± 0.04m / s 【Factory standard ± 0.03m / s】;

Φ80 mm diameter of the flow rate ± 0.02m / s 【factory standard ± 0.02m / s】.

(4) the number of heavy gas flow display digits: 0.00m / s;

(5) light gas volume repeat detection error: ± 10ml;

(6) light gas volume display digits: 0.00ml;

(7) Seal repeat detection error: ± 2.5Kpa;

(8) Sealed display digits: 0.00Kpa.