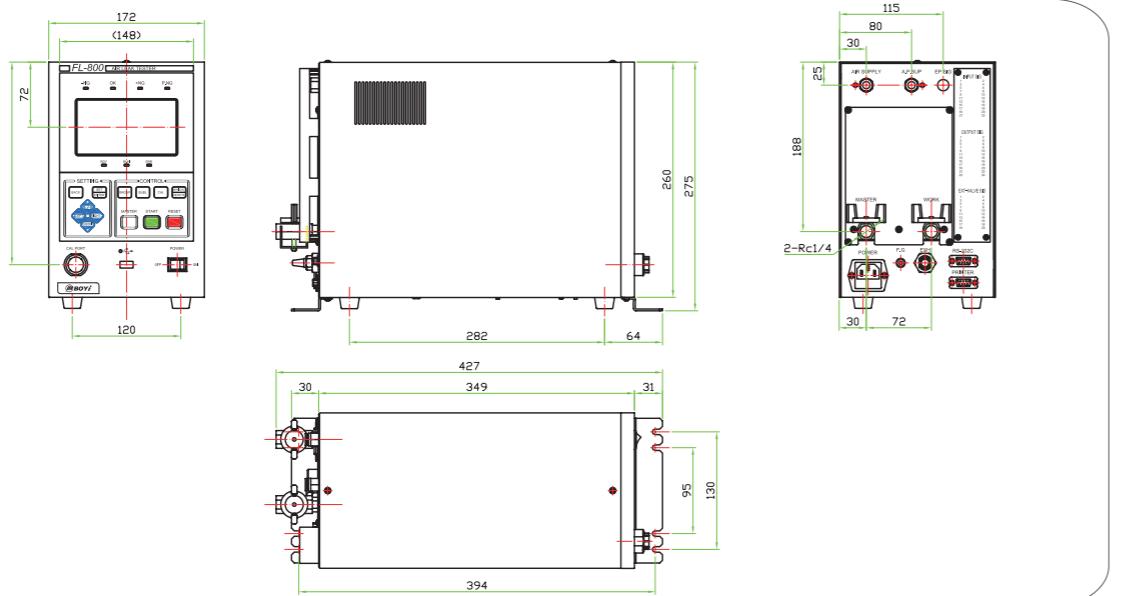


本机的参数 Parameters

| 测定方式 Measuring Method | 差压比较式、直压检测式气密检漏仪 Differential Pressure 、 Direct Pressure Measuring Method | |
|---------------------------------------|---|--------------------------------|
| 差压传感器 Differential Pressure Sensor | ±2kPa / 2V(±10kPa / 2V), 精度±0.5%, 传感系数 0.4×10 ⁻⁵ ml / Pa ±2kPa/2V(±10Pa/2V), Accuracy ±0.5%F.S., Sensor Coefficient: 0.4×10-5ml/Pa | |
| HV型范围 HV Mode Range | 100kPa(绝压) 100kPa (absolute pressure) | 精度 ± 1% F. S. Accuracy ±1%F.S. |
| V型范围 V Mode Range | -100kPa | 精度 ± 2% F. S. Accuracy ±2%F.S. |
| UL型范围 UL Mode Range | 20kPa | 精度 ± 1% F. S. Accuracy ±1%F.S. |
| L型范围 L Mode Range | 200kPa | 精度 ± 2% F. S. Accuracy ±2%F.S. |
| M型范围 M Mode Range | 700kPa | 精度 ± 2% F. S. Accuracy ±2%F.S. |
| H型范围 H Mode Range | 990 kPa | 精度 ± 2% F. S. Accuracy ±2%F.S. |
| H1型范围 H1 Mode Range | 2MPa | 精度 ± 2% F. S. Accuracy ±2%F.S. |
| H3型范围 H3 Mode Range | 10MPa | 精度 ± 1% F. S. Accuracy ±1%F.S. |
| H4型范围 H4 Mode Range | 20MPa | 精度 ± 1% F. S. Accuracy ±1%F.S. |
| 被测物侧容积 Work Side Volume | 4.5mL Approx.4.5mL | |
| 基准物侧容积 Master Tank Volume | 4.5mL Approx.4.5mL | |
| 测定精度 Measuring Accuracy | 100ml 标准被测物1ml/min的泄漏测试下, 测定误差在±5% 以内 Measuring deviation less than ±5%, on the condition that standard work is 100ml, leak rate is 1ml/min in testing. | |
| 显示 Display | LCD显示(蓝色背光), 有效显示尺寸W107mm × D57mm LCD with Blue Back Light, Display Dimension W107×D57mm | |
| 外部输入/输出 External input/output | 控制用输入端子22P、控制用输出端子24P、电磁阀控制端子20P、RS-232输入输出。可选输出: 打印机输出 (CENTRONIC标准) Input control terminal 22P , Output control terminal 24P , Solenoid valve control terminal 20P , RS-232 Input/Output. Optional output: Printer (CENTRONIC Standard) | |
| 组号设定功能 Groups Setting | 0~31ch (合计32通道) 0-31channels(total 32ch) | |
| 温、湿度范围 Temperature & Humidity | 0~40°C 45~85%RH无结露 0~40°C 45~85%RH with no precipitation | |
| 电源电压 Power Supply | AC100~240V, 50/60Hz | |
| 外观尺寸 External Dimension | W172mm x H260mm x D350mm | |
| 重量 Weight | 约9kg Approx.9kg | |

本体

外部尺寸 (单位 : mm)



主要产品 ● 气密检漏仪 ● 数字压力表 ● 流量计 ● 自动压力、流量控制器 ● 密封性能检测专用设备



天津博益气动股份有限公司
TIANJIN BOYI PNEUMATICS CO., LTD.



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扫一扫, 查看
办事处地址



通用型气密检漏仪 Compact Air Leak Tester

FL-800 系列 Series

- 大屏幕LCD显示, 操作界面清晰
- 显示内容中英文切换, 操作简单
- 可进行多种模式的基准校正, 缩短检测时间, 提高检测精度
- 具有丰富的数据分析, 统计功能
- 具有容积自动检测功能 (选购)
- 数据接口丰富, 可选择U盘接口、RJ45网口等



- Large-sized LCD display with clear operation interfaces
- Interface languages switched between Chinese and English
- Varied calibration methods ensures shorter testing time and higher accuracy
- Data analysis and statistics function
- Self-check function of the work volume (option)
- With rich interface, can choose U disk interface, RJ45 front-end port, etc



提供全面功能的同时不失合理的价格

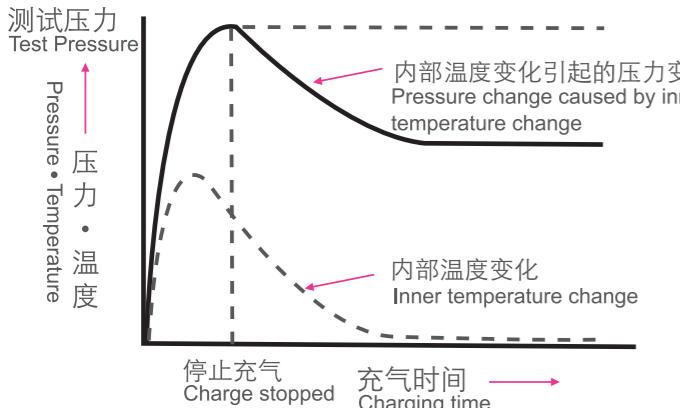


设定键 Setting Button
测定条件，判定标准等参数的设定
Set detection parameters and judgment standard, etc.

MASTER键
Master Button
基准检测开始
Start master detection

附加电控调压阀，测试时间更短，精度更高
Additional electric control pressure regulating valve ensures shorter testing time and higher accuracy

- 附加电控调压阀，可以实现快速充气功能（快速充气功能可以有效稳定压力、快速加压、消除热影响）
- 使用电控调压阀使得基准数据的重复性更好，提高了检测精度，缩短检测时间。允许同时设定32组不同的测试压力
- The additional electric control pressure regulating valve supplies with TURBO (Fast Charging) function that can effectively stabilize the pressure, conduct fast charging and eliminate heat effect
- The additional electric control pressure regulating valve supplies with better repeatability of master data, higher testing accuracy and shorter testing time. 32 groups of different testing pressure parameters are available simultaneously.



多种显示方式可供选择 Varied display units

- 测试结果可用 Pa, mL/min, Pa/min, Pa.cm³/sec, mL/s 显示
- 测试压力可用 kPa, kg/cm², PSI, bar, MPa 显示
- Testing result unit: Pa, mL/min, Pa/min, Pa.cm³/sec, mL/s
- Testing pressure unit: kPa, kg/cm², PSI, bar, MPa

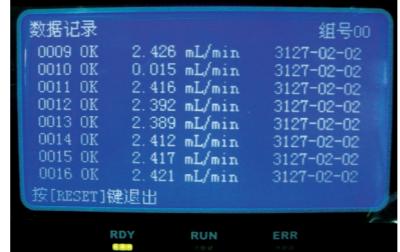
检测过程通过曲线显示

Display the measuring process thought curves

机器自动读取时时检测数据，并使数据坐标化，观察差压变化曲线，判断泄漏变化趋势，解析问题点可以很容易进行。
Real-time testing data can be read and displayed in the form of coordinate. Leak trend can be judged through differential pressure curve, thus to analyze questions easily.

可保存最新的500组数据

Latest 500 groups of data can be saved



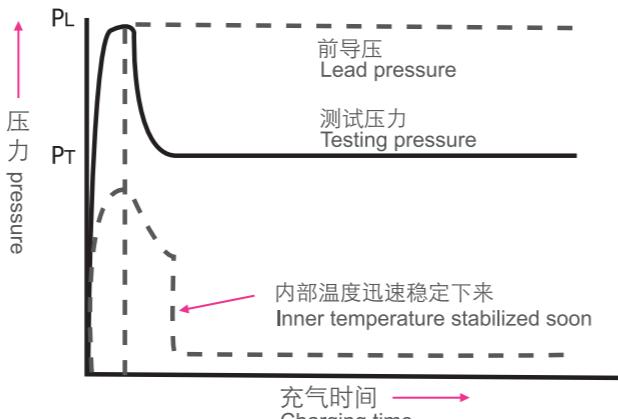
可对历史数据进行查询、分析，便于质量分析

Historical data can be searched and analyzed to conduct quality analysis

- 可进行基准测试，以得到当前环境下最合适的基准值，缩短检测时间
- 32组参数切换功能，不同的被测物对应不同的检测参数
- Master test is available to calculate the most appropriate master value under current ambient, and then reduce the test time
- 32 groups of parameters can be switched to ensure that different work has corresponding testing parameter

灵活多样的外部控制功能

- Flexible remote control function
- 可设定端子的输出时序，使外部控制更加灵活
 - 可直接控制电磁阀驱动气缸
 - Time sequence settings of terminals ensure more flexible remote control
 - Control solenoid valves to drive cylinder directly



型号 Mode FL-800①-② ③-④-⑤

(外围设备)

① 压力范围 Pressure Range

| 记号 Mode | 使用范围 Applied Pressure Range | 显示范围 Applied Pressure Range |
|---------|-----------------------------|-----------------------------|
| HV | 0.20~50.00kPa (绝压) | 0.00~100.00kPa |
| V | -5~90kPa | 0.0~99.9kPa |
| UL | 0.5~20kPa | 0.0~20.0kPa |
| L | 10~200kPa | 0~200kPa |
| M | 50~700kPa | 0~700kPa |
| H | 100~990kPa | 0~1000kPa |
| H1 | 0.2~2MPa | 0~2.00MPa |
| H3 | 1~10MPa | 0~10.0MPa |
| H4 | 2~20MPa | 0~20.0MPa |

② 泄漏检测范围 (H3, H4型参考表)

Leak detection Range (Please see other Extra Form referring H3,H4 mode)

| 记号 Mode | 使用范围 Applied Pressure Range | 显示范围 Applied Pressure Range |
|---------|-----------------------------|-----------------------------|
| 1 | 小泄漏 Small Leakage | 0~±2000Pa |
| 2 | 中泄漏 Medium Leakage | 0~±9999Pa |

别表 Extra Form

| 记号 Mode | 使用范围 Applied Pressure Range | 显示范围 Applied Pressure Range |
|---------|-----------------------------|-----------------------------|
| 3 | 0.1~50.00kPa | 0.00~50.00kPa |
| 4 | 1~100kPa | 0.0~100.0kPa |
| 5 | 1~500kPa | 0.0~500.0kPa |
| 6 | 1~1000kPa | 0~1000kPa |

③ 容积校正功能 Volume Calibration Function

| 记号 Mode | 表示 Indication |
|---------|-------------------|
| 1 | 带容积校正功能 Available |
| 2 | 无容积校正功能 Nil |

备注：仅UL, L, M, H带容积校正功能。

Note: Only UL, L, M, H Model have Volume Calibration Function.

④ 外置选购品 Options

| 记号 Mode | 内容 Content |
|---------|---|
| FR22 | UL用减压过滤装置 specialized filter and regulator for ul range |
| FR13 | L用减压过滤装置 specialized filter and regulator for L range |
| FR15 | M用减压过滤装置 specialized filter and regulator for M range |
| FR16 | H用减压过滤装置 specialized filter and regulator for H range |
| FR17 | H1用减压过滤装置 specialized filter and regulator for H1 range |
| FR19 | H3用减压过滤装置 specialized filter and regulator for H3 range |
| FR20 | H4用减压过滤装置 specialized filter and regulator for H4 range |
| FR10 | V用减压过滤装置 specialized filter and regulator for V range |
| N | 无减压过滤装置 without filter and regulator |

⑤ 数据接口 Data Interface

| 记号 Mode | 内容 Content |
|---------|--|
| 1 | 标准型，专用串口打印机接口 Standard type with serial port printer interface |
| 2 | 电控调压阀CP03/04接口 CP03/04 interface of electric control pressure regulating valve |
| 3 | U盘接口（存储数据，无通讯功能） U disk Interface(Data storage function, without communication function) |
| 4 | RJ45网口 (TCP/IP协议) RJ45 front-end ports (TCP/IP) |

便捷的数据输出方式 Easy Data Output Method

USB输出，可直接将检测数据写入U盘 (选购)
USB Output. Data can be saved in USB disk directly(Option)



外围设备 External Option

| 型号 Mode | 产品名称 Product Name | 备注 Remark |
|------------|--|---|
| C1 | 校正器 Calibrator | 校正容积 0.1mL Calibration Volume:0.1mL |
| C3 | 校正器 Calibrator | 校正容积 1.0mL Calibration Volume:1.0mL |
| C5 | 校正器 Calibrator | 校正容积 5.0mL Calibration Volume:5.0mL |
| SP-TL4015S | 打印机 Printer | 串口打印机 Serial Printer |
| RS-C | 串口电缆 Serial Cable | 9针串口电缆，1.5m 9 Pin Serial Cable, 1.5m |
| FCU800-24 | 旁路充气 Charge By-pass Unit | 24V 驱动，400kPa驱动压，只用于UL, L, M型 Drive voltage of 24V, drive pressure of 400kPa, only for UL, L, M model |
| FEU800-24 | 旁路排气 Exhaust By-pass Unit | 24V 驱动，400kPa驱动压，只用于UL, L, M型 Drive voltage of 24V, drive pressure of 400kPa, only for UL, L, M model |
| CP01 | 电控调压阀 Electric control pressure regulating valve | 独立接口型，可与数据接口共用，用于FL-800L型 Independent Interface for FL-800L and can be used as data interface |
| CP02 | 电控调压阀 Electric control pressure regulating valve | 独立接口型，可与数据接口共用，用于FL-800M型 Independent Interface for FL-800M and can be used as data interface |
| CP03 | 电控调压阀 Electric control pressure regulating valve | 标准型，用于FL-800L型 Standard type for FL-800L model |
| CP04 | 电控调压阀 Electric control pressure regulating valve | 标准型，用于FL-800L型 Standard type for FL-800L model |
| APU | 自动压力/流量控制器 Electro Pneumatic Regulator | 用于FL-800UL、L、M型 For model FL-800UL,L&M |
| FFM-100 | 定流量发生器 Standard Leak | 根据测试压和泄漏率决定 Depend on test pressure and leak rate |
| RM-01 | 外控操作盒 External Operation Box | STRT, RESET, 组号等信号控制的专用设备 Specialized equipment to control signals of START, RESET, Group NO., etc. |
| RM-03 | 外控输出转接设备 External Transfer Equipment | 将集电极输出转换为继电器输出 Convert the collector output to relay output |
| S800 | 800串口分析软件 800 serial analysis software | |