

# Automatic Dry Air Leak Testing

## JWF Leak Test Panels Series 200

Presented By :

**A-Tech Instruments Ltd.**

Phone 416 754 7008 Fax 416 754 2351 Email: sales@a-tech.ca



Advanced Leak Testing Technology:

## JWF Leak Test Panels Series 200

Proven Leak and Flow Test Systems  
for High-Volume Production  
and Quality Assurance

### JWF Leak Test Panel MPS 200 Relative Pressure Measurement

- Test methods:
  - Pressure Decay or Rise
  - Over-pressure (burst) or Vacuum
- Resolution: from 1 Pa (0.00015 psi)

### JWF Leak Test Panel MPS 250 Differential Pressure Measurement

- Test methods:
  - Pressure Decay or Rise
  - Over-pressure (burst) or Vacuum
- Resolution: from 0.1 Pa (0.000015 psi)

### JWF Leak Test Panel MFL 200 Mass Flow Measurement

- Using the Zero Resistance JWF Mass Flow Sensor
- The measurement signal is insensitive of atmospheric pressure and temperature
- The measurement signal directly corresponds to the leaking air flow
- Well suited for large volume components
- Resolution: from 0.01 std. cm<sup>3</sup>/min





## Technical Data

- Windows user interface
- 6,5 inch Colour Display
- Front Panel Navigation Dial for quick and easy configuration
- On-line display of the test sequence
- Instruction Manual and Help Index available on Front Display
- Data Storage Module for
  - 1,000 test results
  - 500 measurement signal curves
- Statistical Analysis of the test results
  - mean value, standard deviation, trend analysis
  - quality control chart
  - normal curve of distribution
- Number of test programmes: 32, fully programmable
- Communication ports
  - Front panel
    - 1 x RS-232
    - 1 x USB
  - Rear panel
    - Digital Inputs, 24 Vdc (10 max.)
    - Digital Outputs, max. Dry Contacts (6 max.)
    - 1 x Profibus (optional)
    - 1 x Ethernet (optional)
- On-line connection to a remote JWF Leak Calibrator. The amplification factor of the leak test panel is automatically adjusted according to the leak rate value of the Leak Calibrator.
- Programmable Test Pressure
- Automatic self test
- Lockable Front Plexiglas Door
- Steel cabinet 19" - 3 HE, protection class IP 54
- Dimensions: 540 x 220 x 390 mm
- Weight: approx. 16 kg
- Electrical supply: 24 VDC, 5 A
- Pneumactical supply: Air
  - 7.5 to 15 psi above Fill Pressure setting
  - Oil and Water free in accordance to DIN ISO 8573-1 class 3

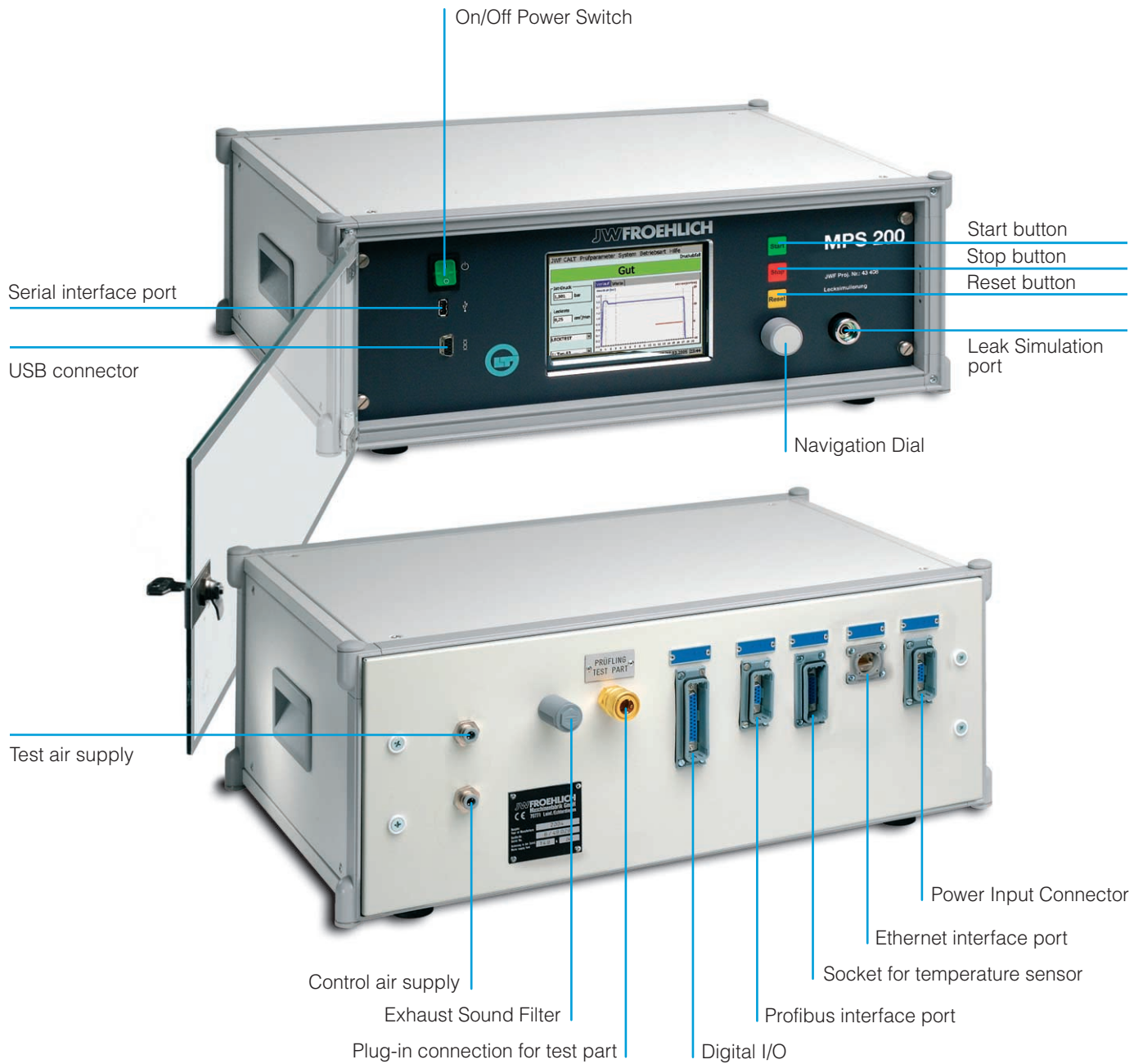
## Optional

- Air Filtration Unit incl. dirt and water trap, pressure regulator and pressure gauge (delivered as loose item)
- Power Supply Unit for electrical connection to 110/230 V, 50/60 cycles (delivered as loose item)
- Temperature Compensation
- Selectable Languages
- Tele-Service (Remote Communication)

## Accessory

- Leak Calibrator LK 20





On/Off Power Switch

Serial interface port

USB connector

Start button

Stop button

Reset button

Leak Simulation port

Navigation Dial

Test air supply

Control air supply

Exhaust Sound Filter

Plug-in connection for test part

Digital I/O

Profibus interface port

Socket for temperature sensor

Power Input Connector

Ethernet interface port