



SOFC Electrode Flat Piece Gas Leak Test System



Features:

- Long-Time and Short-Time leak measurement in a set
- Keep warm vessel
- Electrode Flat Piece load has temperature sensor

Applications:

Description:

SOFC works in high temperature and uses energy by Hydrogen.

Any gas leaking is not permitted.

Leak test in R&D is necessary.



SOFC Electrode Flat Piece Gas Leak Test System

Specification:

- Test Gas Room Temperature Preparing Vessel
 - Net. Volume: 5,000C.C (± 300C.C.)

- Dual-Leak Measurement Keeping Warm Vessel
 - Long-Time Leak Measurement Vessel
 - Net. Volume: 2,000C.C.
 - P.T. Temperature Sensor
 - ◆ Accuracy $\pm 0.2^{\circ}\text{C}$
 - Short-Time and Quick Leak Measurement Vessel
 - Net. Volume: 100C.C.
 - P.T. Temperature Sensor
 - ◆ Accuracy $\pm 0.2^{\circ}\text{C}$
 - Valve
 - Leak rate: $< 1 \times 10^{-9}$ std cc/sec He
 - Test Pressure: 760 ~ 960 mmHg

- Electrode Flat Piece Load
 - P.T. Temperature Sensor:
 - Accuracy $\pm 0.2^{\circ}\text{C}$
 - Square Sample
 - Range: 40×40 ~ 200×200 mm
 - Load
 - Displacement: >45mm
 - Accuracy: <0.02mm
 - Range: 0~70 kg

- O-ring Force Sensor & Indicator
 - Range: 0~1 kN
 - Accuracy: 0.1%

- Software
 - Leak Measurement
 - Mole and Vessel
 - Gas Parameter
 - Auto Adjustable Measuring Leak Coefficient
 - Real and Absolute two-type calibration
 - 4 mode Acquisition
 - Measurement Monitor Software
 - Configured Real-Time Scope

- Measurement and Recording PC