

Fully Automatic, SO₂ Gas Dosing Test Chamber

Meets standards: ASTM D2247, ISO 11503, NFT 30-077, NFT 30-055, ASTM G87, BS3900/F9, ISO 6270-2 CH, EN ISO 6988, SFW 2,0,S, ISO EN 1096 B, DIN 50017 KK & KTW, ISO 3231, DIN 50018, VDA 621-421, ISO EN 1096 C



The Kesternich test is a cyclic corrosion test involving condensation humidity and the introduction of sulphur dioxide gas (SO₂).

A specific volume of SO₂ gas, usually 0.2L, 1L or 2L is introduced into the test chamber, the chamber temperature is increased to a predetermined level and the relative humidity is maintained at condensation levels. After a set period, the chamber is vented and the temperature is allowed to decrease to ambient conditions.

Ascott's Kesternich chamber does not require any human intervention whilst running the tests, its fully automatic design is controlled by a state of the art control system. The Kesternich chamber is designed to meet various gas dosing test standards as listed above and can also be used as a condensation humidity chamber.

Key Features:

- SO₂/Humidity mode
- Condensation Humidity mode
- Air Flushing mode
- Fully automated electronic gas dosing system
- Hermetically sealed chamber
- Automatic air purge function with canopy interlock
- Pneumatic canopy control
- Automatic drain and exhaust system
- User friendly control system
- Digital precision temperature control
- Temperature graphical display
- Interior viewing window with illumination
- Ethernet communication port
- Also available as a table-top version

Optional Accessories:

- Data Logging Software
- Various sample racks available
- Personal SO₂ Detector
- Wall Mounted SO₂ Detector

Technical Specification

Volume	300L
Internal Dimensions	730 x 496 x 851 reducing to 534mm (w x d x h) angled interior roof to avoid droplets
External Dimensions	1200 x 760 x 2000mm (w x d x h)
Temperature Range	Ambient to +50°C/122°F
Temperature Stability	+/- 0.75°C
Power Supply	220-240V, Single Phase 50Hz