



GenRH-T

Humidity Generation System with temperature control

Portable, temperature-controlled RH generator to augment your characterization systems.....



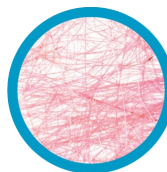
The **GenRH-T** is the world's most flexible relative humidity (RH) generator, easily coupling to your characterization systems to deliver precision RH levels from 0 to 98% across a wide temperature range.

Based on SMS's 15-plus years of experience in RH generation technology, the GenRH-T offers state-of-the-art capabilities within a highly cost-effective instrumentation package.

Also featuring a heated transfer line, real-time RH measurement at the point of delivery and advanced Windows® control software - all as standard - the GenRH-T is the only relative humidity generator you will ever need.

Key GenRH-T applications:

- Aerosol studies and particle sizing
- Sample conditioning
- X-ray diffraction equipment
- FTIR and Raman spectrometers
- Thermo gravimetric analysis
- Electro Dynamic Balance (EDB) chambers
- Dynamic Mechanical Thermal Analysis (DMA)
- Mechanical and texture testing of materials
- Accelerated testing and stability equipment
- Optical and Raman microscopy
- Atomic force and scanning microscopes
- Powder flow and powder mechanics





Key specifications

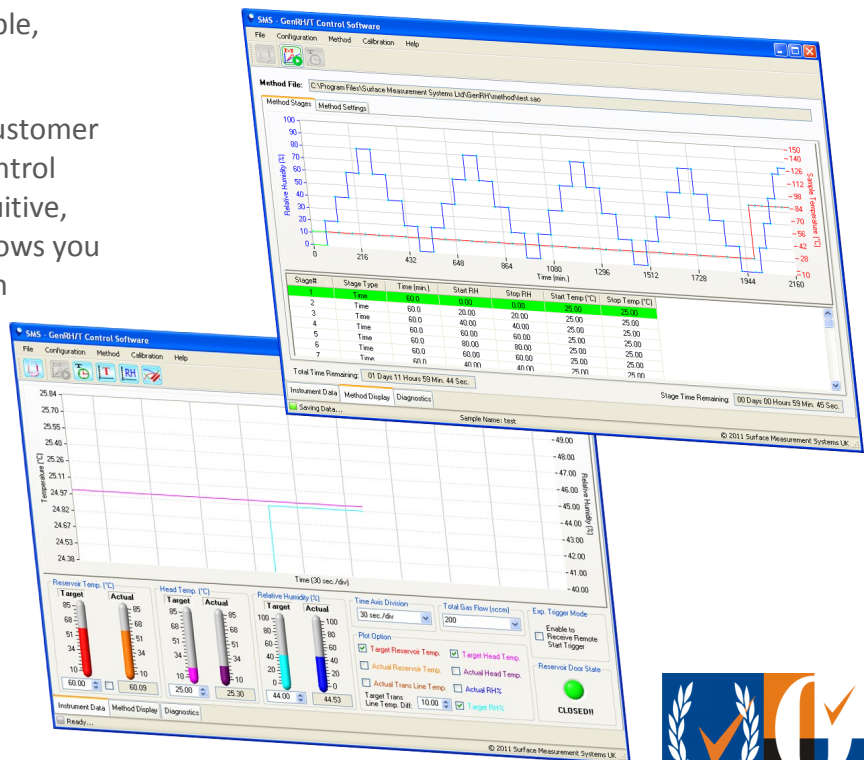
Specs/features:

- Digital Rotronic humidity probe for locating in-host equipment, ensuring precise RH control at the sample
- RH generation range:
 - 0 - 98%RH (15* - 45°C)
 - (*sub-ambient temperatures dependent upon point of delivery)
 - 0 - 85%RH (45 - 85°C)
- RH control: $\pm 0.7\%$ RH (standard deviation)
- Temperature range: ambient - 85°C
- Temperature control: $\pm 0.5^\circ\text{C}$ (standard deviation)
- Easy-change water reservoir bottle
- Flow Range: standard gas flow from 0 - 200sccm (other flow options available)
- 100 - 240V AC
- Comprehensive software method editor for RH and temperature profiling
- Weight: 15kg
- Portable
- Dimensions: 20cm(W) x 45cm(D) x 30cm(H)

GenRH-T control software

SMS continues to be the world leader in stable, flexible and intuitive system software.

Designed entirely in-house with extensive customer participation and feedback, the GenRH-T control software makes RH generation easy. Its intuitive, Windows®-based, user-friendly interface allows you to run a sequence of different RH generation experiments all from the control computer.



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