

# SHT 150

## SELF-HEATING SUBSTANCE APPARATUS

The SHT 150™ (Self Heating Substances Tester) is used for determination of a substance's self-heating characteristics. The SHT 150 analyses exothermal decomposition of a sample being directly exposed to hot air. Substances with self-heating potential can self-ignite even at moderate temperatures when stored in large amounts over long periods of time.

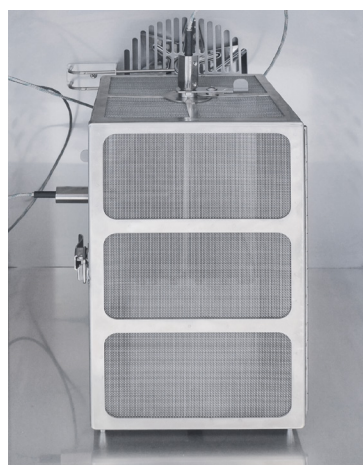


## APPLICATIONS

The SHT 150 is applied for the characterization of flammability of solid substances and/or mixtures, necessary for their transport classification according to the UN standards.

## ADVANTAGES & FEATURES

- ▶ Reusable testing container
- ▶ Stand for mounting the thermocouple in a defined position in the container
- ▶ Accuracy of temperature:  $\pm 2$  °C
- ▶ Different sample volumes: (typically 15.63 cm<sup>3</sup> and 1,000 cm<sup>3</sup>)
- ▶ An observation port in the oven allows for optical control
- ▶ Software evaluation of temperature records



## COMPLIANCE

- UN Recommendation on the Transport of Dangerous Goods, Manual of Tests and Criteria, [Test N.4]
- European agreement concerning the international carriage of dangerous goods by inland waterways (ADN) (2017)
- Convention concerning International Carriage by Rail (COTIF) Regulations concerning the international carriage of dangerous goods by rail (RID) (2017)



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