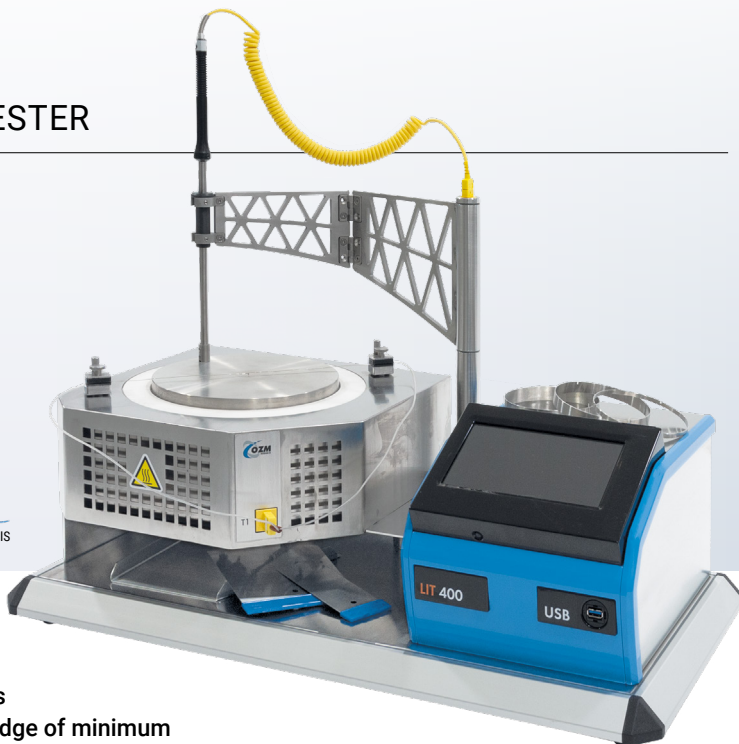


LIT 400

DUST LAYER IGNITION TEMPERATURE TESTER

The LIT 400™ (Dust Layer Ignition Temperature Tester) is used for determination of minimum temperature of a hot surface leading to thermal degradation or ignition of dust layers of a defined thickness.

design
design by Jan ERMIS



APPLICATIONS

Spontaneous ignition of dust layers is a great risk in industries where flammable dust particles can get accumulated. Knowledge of minimum temperature of a hot surface which will lead to dust layer ignition provides important information for risk analysis, safety planning and prevention of fires or explosions in process industries.

ADVANTAGES & FEATURES

- ▶ Hot surface working temperature range up to 450 °C
- ▶ Stable temperature conditions ± 2 °C
- ▶ Hotplates designed with a non-corrosive abrasion-resistant surface or aluminum plate
- ▶ Four types of stainless steel rings as sample holders for the dust layers
- ▶ Stainless steel set for easy dosing and cleaning
- ▶ Recording, archiving and data analysis on PC
- ▶ Robust stainless steel case



Sample preparation of the measurement



Measurement of temperature uniformity on the hotplate



Cleaning of the hotplate

COMPLIANCE

- **EN 50281-2-1** Methods of determining minimum ignition temperature
- **ASTM E2021** Hot-Surface Ignition Temperature of Dust Layers



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