

DETERMINATION OF THE MINIMUM IGNITION ENERGY OF DUST/AIR MIXTURES

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- EN 13821 Potentially explosive atmospheres. Explosion prevention and protection. Determination of minimum ignition energy of dust/air mixtures
- ASTM E 2019: Standard Test Method for Minimum Ignition Energy of a Dust Cloud in Air
- IEC 61241-2-3 replaced by ISO/IEC 80079-20-2:2016.
- ISO/IEC 80079-20-2:2016 Explosive atmospheres. Material characteristics. Combustible dusts test methods

Test vessel	Hartmann glass tube
Ignition time	delay range: 20-350 [ms]
Ignition time delay	real time measurement
Spark energy control:	front panel adjustment
Energies:	1, 3, 10, 30, 100, 300, 1000 [mJ] 2000 (3000) mJ - optional
Injection pressure:	front panel adjustment
Body	stainless steel
Working modes:	ANKOdustMIE® software or manual mode
Dimensions:	625 (W) x 595 (D) x 1345 (H) [mm] 25" (W) x 24" (D) x 53" (H) [in]
Power:	maximum 500 W
Mains:	230VAC or 110 VAC

Built-in (optional).
Ventilation outlet.
Duct size:
ø100- ø150mm .



The image shows a large, industrial-grade MINOX 2 vacuum furnace. It has a dark grey, boxy design with a large transparent door on the front. Inside the furnace, a sample holder is visible, mounted on a base. The control panel at the bottom features two analog pressure gauges, a digital display showing 'MINOX 2' and various parameters, and several control buttons and switches. The furnace is designed for high-temperature processing in a vacuum environment.

The specifications given in this document represents the state of engineering at the time of publishing. We reserve the right to make modifications to above specifications.

