

MINOR 3.3

DETERMINATION OF THE MINIMUM IGNITION ENERGY OF DUST/AIR MIXTURES

Model: MINOR 3.3

ver. 1, 2019

STANDARD REFERENCES:

- 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
- ISO/IEC 80079-20-2:2016 Explosive atmospheres. Material characteristics. Combustible dusts test methods



MINOR 3.3 WAS DESIGNED TO TEST TOXIC DUSTS AND WORK INSIDE THE HERMETIC SPACE.

SPECIFICATION:

Test vessel	Hartmann glass tube	2 types of sparks:	inductive / not inductive
Ignition delay	control range: 20-350 [ms]	Ventilation outlet:	ø100- ø150mm (4in - 6in)
Ignition time delay	real time measurement	Injection pressure:	front panel adjustment
Spark energy control:	front panel adjustment	Body:	stainless steel
Energies [mJ]:	1, 3, 10, 30, 100, 300, 1000	PC program:	ANKOdustMIE® software
optional [mJ]:	50, 500, 3000 [mJ]	Mains / Power:	230V or 110V, 500 W max.
Working modes:	PC control mode or manual mode	Weight:	100kg
Dimensions:		Available services:	Installation assistance, training on-site, custom design
[mm]	900 (W) x 550 (D) x 700 (H)	Spare parts:	This apparatus is supplied with a set of spare parts for a minimum of one year of use.
[in]	35.5" (W) x 21.5" (D) x 28" (H)		
Spark energy check	built-in energy control system		
Moving electrode system	energies ≥30mJ upwards		

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