

PORTABLE MODIFIED HARTMANN APPARATUS

- SCREENING TEST
- DUST COMBUSTIBILITY TEST

Model: FG-1

ver. 2.1, 2017

STANDARD REFERENCES:

- VDI 2263, part 1.
Dust fires and dust explosions; hazards, assessment, protective measures;
test methods for the determination of the safety characteristic of dusts.
Method 2.1.1: Modified Hartmann-Apparatus
- EN ISO/IEC 80079-20-2 Explosive atmospheres. Material characteristics.
Combustible dust methods.

SPECIFICATION:

Robust case:	flight case standard
Glass Hartmann tube: ID 70±5 mm, V=1,2L	
Ignition systems:	spark & glowing coil
Top closure:	flap or rupture disc
Air injection reservoir: 50 cm ³ built-in	
Power supply:	110 or 230 VAC
Weight:	18kg (40lbs)
Dimensions (WxDxH):	486x384x255mm (19x15x10in)
Top flap sensor:	optional

HIGH VOLTAGE BLOCK:

continuous induction spark, tungsten electrodes

electrode gap: 4 mm

output: voltage 15 kV, power: 0,2 kVA

GLOWING WIRE BLOCK:

Glowing wire: $\varnothing 1,2$

Wire temperature: >1000°C

Current adjustment: automatic

Wire length ~ 470 mm

Coil diameter ~ 11 mm

ACCESSORIES:

Spoon:	1	Glowing wire:	10
Spare glass tube:	2	HV electrode set:	10
Spatula:	1	Manual pump:	1
Small brush:	2	User Manual	



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.