

## IEC 61034-1

IEC/ EN 61034-1



### DIMENSIONS

Width x depth x height: 3320 x 3320 x 3250 mm\*

Weight: approx. 1000 kg\*

### SUPPLIES

Electrical current 230 V AC 50/60 Hz

Alcohol mixture of 90 % ethanol, 4 % methanol and 6 % water as fire source

Toluene of a purity > 99,5 %

### TO BE PROVIDED BY THE CUSTOMER

Exhaust duct with extraction DN 40

Power supply 230 VAC 50/60 Hz

A level, fireproof and stable underground



### SPATIAL REQUIREMENTS

Floor with sufficient load-bearing capacity for the

point loads from the combustion chamber

Installation area approx. 5000 x 4000 x 4000 mm

### OPTIONAL ACCESSORY

Video camera



\*Our products are constantly evolving. For this reason, the actual dimensions may differ.

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### SCOPE

Measurement of smoke density related to evacuation of people and accessibility for firefighters.

### PRINCIPLE

Cable and line sections of 1000 mm in length are placed over a trough filled with an alcohol mixture. The alcohol is then ignited and the smoke is mixed with the combustion chamber air using a fan. A photometric system measures the smoke obscuration.

### FEATURES

Software controlled calibration, electronic measurement and data logging

### SCOPE OF DELIVERY

Combustion chamber 27 m<sup>3</sup> with door and wind-shield (Aluminum profile frame, aluminum sheet wall panels, aluminum checker plate floor)

Specimen rack, stainless steel

Trough, stainless steel

Fan

Light measuring system (halogen lamp 100W / 3600 lm / 3200 K, silicium photo cell/ output voltage 40 mV non-linear / effective output voltage under test room conditions 3,5 mV.)

Laptop with software installed and touchscreen