

# THERMOMETRY

## RPD – EN 13274-4

### EN 13274-4, Method 2 & 3



#### SCOPE

The device is used to determine the flame exposure of respiratory protective devices, such as respirators. It determines whether the specimen begins to burn or whether other hazards to the user can occur.

#### PRINCIPLE

A specimen is placed in a specimen holder or attached to a test head. In method 2, the specimen is passed over the burner for a defined period of time and then withdrawn again. In method 3, the specimen is drawn over the propane gas burner, which has a temperature of approx. 800 °C, at a speed of  $60 \pm 5$  mm/s. This is done in various burner positions. This is done in various burner positions. The burner can be moved electrically in depth for this purpose. The specimen is moved by a spindle drive on a linear guide.

#### FEATURES

The testing process is software controlled. After clamping the specimen, the specimen is moved over the burner at the push of a button. Specimen holder and burner are moved horizontally by means of an electric linear drive. The specimen holder is moved vertically by a manual linear drive. The unit is enclosed on 5 sides and can optionally be fitted with a cover with a DN 150 exhaust flange.

#### SCOPE OF DELIVERY

Test device with 2 specimen holder, test head, electrical linear drives and thermocouple  
Control unit with solenoid valve temperature display  
Notebook  
Software  
♦ Windows 10  
♦ DIN EN 13274-4  
♦ MCC DAQ  
Operating manual, English

#### DIMENSIONS

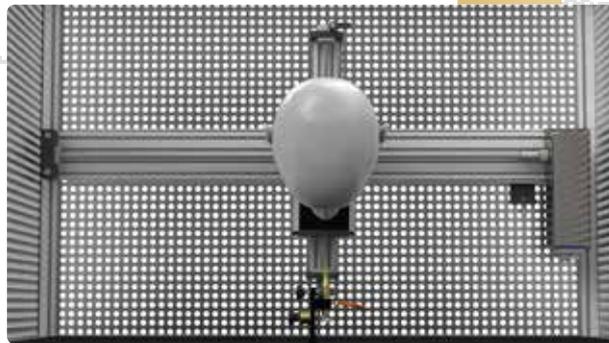
Approx. 950 x 850 (1270 with hood x 680 mm (W x h x d)\*  
Weight approx. 80 kg\*

#### SUPPLIES

Electrical voltage 100-230 VAC, 200 VA  
Propane gas, purity > 95%

#### GAS CONTROL

Fine regulation valve mechanical, solenoid valve



#### SENSORS

Thermocouple Type K (flame temperature)  
Position switch linear drives specimen holder / burner  
Ambient temperature, humidity

#### TRAVEL SPEED SPECIMEN

$60 \pm 5$  m/s

#### TO BE PROVIDED BY THE CUSTOMER

Exhaust air extraction or fume cupboard

#### OPTIONAL ACCESSORY

Hood with exhaust air connection DN 150

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

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