

Paraffin oil filter penetration test equipment

Description

The equipment essentially comprises a paraffin oil generator, a light scattering photometer, flowmeters, a sample holding device, and connecting arrangements. It is supplied as generally described in EN 149, filtering facepieces and similar standards.

The sample mask is secured in a fixture, which in turn is positioned in the filter holder located in the aerosol path. The aerosol flow rate is normally 95 l/min, with a minimum flowrate of 30 l/min.

Please note that our equipment differs from that described in the reference method EN13274-7:2008, but correlation tests have been performed to demonstrate equivalent performance.

As an optional extra, computer software can be provided to record and guide the daily check and testing operations. The software produces audible tones to alert the user that action is required at the end of a test.



Services required

Bench mounted

110/230 volts AC, 50/60Hz, mains electricity (specify requirements with order)

Instrument quality compressed air at a pressure of 6 bar and flowrate of at least 200L/min

An extraction fan and ducting to the outside of the building

Paraffin oil as specified in the standard.

The optional software requires a Windows 10 operating system & Microsoft Office 2016 or later.

Approximate size & weight

139 x 75 x 81 cm : 145 kg

Relevant standards

EN 149:2001, clause 8.11

EN 405:2001, clause 7.7.1

EN 12941:1998, clause 7.12.2

EN 12942:1998, clause 7.14.2

EN 13274-7:2008, clause 7.2

BS 8468-2:2006, clause A.11.3

BS 8468-3.2:2009, clause A.5.3

EN 143:2000, clause 8.7.4

EN 1827:1999, clause 8.8

EN 14387:2006, clause 7.9

Please [contact us](#) for a quotation

1PO2102