



Application

GB-BF20010 Mask Synthetic Blood Penetration Tester is suitable for the resistance of masks to the penetration of synthetic blood under different levels of test pressure.

Principle

The mask material was tested with synthetic blood under continuous applied pressure, and the penetration of synthetic blood on the material was visually checked.

Features

The instrument uses a gas source that can provide (20 ± 1) kPa pressure to continuously pressurize the sample without being limited by the space of the test site.

The instrument has a pressure gauge to display the pressure, the pressure can be adjusted.

Use pressurized medium: compressed air.

The special stainless steel penetrating test slot ensures that the sample is firmly clamped, and the synthetic blood is prevented from splashing around.

Square metal barrier net: open space $\geq 50\%$; bending $\leq 5\text{mm}$ at 20kPa.

Digital display timer, accuracy ± 1 second.

The instrument has a clamp that can generate 13.5Nm torque.

Standard

GB 19083-2010, YY0469-2011

Specifications

Item	Technical Parameter
Pressure Range	0~50KPa
measurement Accuracy	$\pm 0.5\%$ FS
Spray Distance	300mm \pm 10mm Adjustable
Nozzle Diameter	0.84mm
Jet Pressure	10.6 KPa (80 mmHg) 16 KPa (120 mmHg) 21.3 KPa (160 mmHg)
Jet Velocity	450cm/s, 550cm/s, 635cm/s
Dimensions	825mm \times 440mm \times 335mm
Power Supply	AC 220V, 50Hz