Respiratory Resistance Tester
GBN702

GBPI® TESTING INSTRUMENTS

Technical Parameters

Item	Technical Parameters
Flowmeter range	0 L/min～100L/min
Flowmeter range accuracy	±2%
Micro-pressure measuring range	-1000Pa～1000Pa
Micromanometer accuracy	1Pa
Pumping capacity of suction	Not less than 100L / min
Ventilation	Constant (85 ± 1) L / min
Power Supply	AC220V, 50Hz

Application

The respiratory resistance tester is suitable for determining the inhalation resistance and exhalation resistance of respirators and mask protective products under specified conditions, and for the related testing and inspection of common mask products by manufacturers of national labor protection article inspection agencies.

Standard

GB2626-2006, GB/T32610-2016

Features

1. The instrument consists of an air source that can adjust the flow rate, a human head mold specified in the standard, two intubation systems for inhalation and exhalation, and a respiratory resistance measurement system.

2. The flow sensor has high sensitivity and has a very small starting flow.

3. The flow sensor chip uses a thermal mass flow meter, which does not require temperature and pressure compensation, ensuring high-precision measurement of the sensor.

4. Multiple sensors are integrated on a single flow sensor chip, which greatly improves the range ratio of the sensor.

5. The zero point stability of the flow sensor is high, with full range and high stability, high accuracy over the full range, excellent repeatability, low power consumption, low pressure loss and fast response speed.

6. The data logger uses a graphic dot matrix LCD with a resolution of 128 × 64 and a full Chinese interface, which is easy to operate.

7. the data logger has 4M memory for measurement value recording.

8. The micromanometer sensor uses a two-wire system, with high accuracy and good stability; it is safe and reliable to use an explosion-proof design.

9. The range and zero point of the micromanometer sensor are continuously adjustable, the damping is adjustable, there is no mechanical moving part, and the maintenance workload is small.

10. The whole instrument adopts special gas path conversion elements, which ensures the convenient and fast conversion of the two-pipe system of exhalation and inhalation.

11. Applicable to the latest national standard requirements, compatible with labor protection protective masks and daily protective mask standards

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