



## Product overview

The SF6 comprehensive tester is a collection of SF6 humidity, SF6 purity, and SF6 decomposition product testing. It combines the functions that were originally realized with three instruments into one instrument. One on-site measurement can complete three index detections, which greatly saves the gas in the equipment, while reducing the user's workload and improving work efficiency.

The excellent performance of the SF6 gas comprehensive tester is that all the best foreign sensors are used; the humidity is a pure imported high-precision humidity sensor, the purity is a thermal conductivity sensor with temperature compensation, and the decomposition product is also a sensor imported from Europe. . Color LCD display, real-time display of various parameters, full touch control, fool-like operation, massive information storage, built-in rechargeable battery, AC and DC dual use.

## Products features

**Self-calibration:** The sensor probe can automatically calibrate the zero point, automatically eliminate the system error introduced by the zero point and drift, and ensure the accuracy of each measurement.

Easy to operate, large touch LCD screen, simple WYSIWYG operation.

Optionally equipped with pipeline cleaning device, the internal pipeline is automatically cleaned after the test, which improves the test speed and accuracy

**Quick gas saving:** the dew point measurement time is about 3 minutes after the machine is turned on and enters the measurement state.

Self-locking connector: the original imported self-locking connector is used, which is safe and reliable without air leakage.

Data storage: It adopts large-capacity design and can store up to 1000 sets of test data.

Clear display: 7-inch large touch LCD screen directly displays dew point, micro water (ppm), SF6 purity, SO2, H2S, CO content, ambient temperature, ambient humidity, time and date, etc.

Built-in USB interface, which can be connected to a PC, and upload all the internal data of the instrument to the computer through the supporting software, which is convenient for data analysis.

Built-in large-capacity rechargeable lithium battery, which can work continuously for more than 12 hours on a single charge.

### Technique parameters

Purity	Measuring range	0%~100%
	Measurement accuracy	±0.5%
	Measure time	<2 minutes。
Dew point	Measuring range	-80 °C~+20 °C
	Measurement accuracy	±0.5°C (-80°C~-60°C)
	Response time (+20°C)	63% takes 5 seconds, 90% takes 45 seconds (-60°C~+20°C) 63% takes 10 seconds, 90% takes 240 seconds (+20°C~-60°C)
H2S	Measuring range	0~200ppm
	Minimum detection	≤0.1ppm
	Accuracy	±0.5%
	Stability	0~200ppm
	Repeatability	≤2%
SO2	Measuring range	0~200ppm
	Minimum detection	≤0.1ppm
	Accuracy	±0.5%
	Stability	0~200ppm
	Repeatability	≤2%
CO	Measuring range	0~1000ppm
	Minimum detection	≤1ppm
	Accuracy	±0.5%
	Stability	0~1000ppm
	Repeatability	≤2%
HF (optional)	Minimum detection	≤1ppm
	Accuracy	±0.5%
	Stability	0~1000ppm
	Repeatability	≤2%
	Measuring range	0~10ppm
Ambient	-40°C~+60°C	

temperature	
Ambient Humidity	0~100% RH
Power	AC 100~240V 50/60Hz Built-in rechargeable battery
Battery performance	Charging time: 10 hours; use time over 12 hours.
Working temperature	-30°C~+70°C
Size	250×230×300 mm
Net weight	6.8kg

