



FT-LDZ

SF6 GAS DECOMPOSITION PRODUCTS ANALYZER

PORTABLE ✓ **TOUCH LCD DISPLAY** ✓ **USB INTERFACE** ✓ **MULTI-FUNCTION** ✓

■ Introduction



FT-LDZ SF6 Gas Decomposition Products Analyzer, effectively monitoring SF6 dew point, purity and some main kinds of decomposition/decay products including SO₂, H₂S, HF and CO, can quickly detect and judge the early failure of SF6 electrical equipment (circuit breakers, transformers, GIS and bushing, etc.) in the power field.

FT-LDZ SF6 Gas Multi Analyzer is a high-precision and intelligent measurement instrument introducing high-performance, high-resolution electrochemical sensors and

adopting embedded microcomputer technology.

This **SF6 gas comprehensive analyzer** is widely applied to power system, railway, petroleum chemical enterprise, metallurgical industry, research institute.

This tester is mainly used for: fault location, routine detection, partial discharge monitoring, gas purification and filtration monitoring, fault high-voltage contact inspection, SF6 decomposition product detection, and inspection of the generation of decomposition products in the GIS equipment.

■ Main Features

- ❖ Long-life detection components;
- ❖ With the function of fault diagnosis: it can automatically diagnose the fault according to the concentration of SO₂ and H₂S in the measured gas and offers corresponding suggestions;
- ❖ No need colorimetric tubes, sensors measure directly;
- ❖ High precision, good repeatability;
- ❖ Built-in regulator valve and electronic mass flow meter;
- ❖ Large LCD touch screen display, WYSIWYG simple operation
- ❖ Lightweight, portable and easy to use



- ❖ Rechargeable battery power supply, AC and DC dual use;
- ❖ Fast response, almost no warm-up waiting;
- ❖ Measurement results are not affected by ambient temperature;
- ❖ Self-calibration: the sensor probe can automatically calibrate the zero point, automatically eliminate the systematic errors introduced by zero point and drift, and ensure the accuracy of each measurement;
- ❖ Self-locking joint: original imported self-locking joint is used, safe and reliable, has no air leakage;
- ❖ Data storage: large-capacity data storage design, up to 1000 sets of test data can be saved;
- ❖ Clearly display: 7-inch large touch LCD screen directly displays Dew point, SDPurity, SO₂, H₂S, HF and CO contents, ambient temperature, ambient humidity, time and date, etc.
- ❖ Built-in USB interface: can be connected to a PC, all the internal data can be uploaded to the computer through the supporting software, very convenient for data analysis.
- ❖ Built-in large-capacity rechargeable lithium battery, one time charge can work continuously for more than 12 hours.

■ Technical Parameters

Purity	Measuring range	0% ~ 100%
	Accuracy	±0.5%
	Measuring time	< 2min
Dew point	Measuring range	-80℃ ~ +20℃
	Accuracy	±0.5℃ (-80℃~-60℃)
	Response time(+20℃)	63% need 5S, 90% need 45S (-60℃ ~ +20℃)
		63% need 10S, 90% need 240S (+20℃~-60℃)
SO₂	Measuring Range	0~100ppm
	Minimum detection	≤0.1ppm
	Accuracy	±0.5%
	Repeatability	≤2%
HF	Measuring Range	0~10ppm
	Minimum detection	≤1ppm
	Accuracy	±0.5%
	Repeatability	≤2%



H₂S	Measuring Range	0~200ppm
	Minimum detection	≤0.1ppm
	Accuracy	±0.5%
	Repeatability	≤2%
CO	Measuring Range	0~1000ppm
	Minimum detection	≤1ppm
	Accuracy	±0.5%
	Repeatability	≤2%
Operating temperature	-30℃~+70℃	
Ambient temperature	-40℃~+60℃	
Ambient humidity	0~100% RH	
Power supply	AC 220V, 50/60Hz	
	Built-in rechargeable battery	
Battery performance	Charging time: 10 hours; Use time: more than 12 hours.	
Weight	6.5Kg	
Size	280×190×300mm ³	





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Looking forward to establish new business relationship with your esteemed company.

Thanks!