

SF6 Multifunctional Tester

The sensors of humidity, purity, SO₂, H₂S, Co, etc. of SF₆ multifunctional tester are imported sensors with reliable performance.

At the same time, it is equipped with the most advanced arm development technology, mass flow sensor, temperature sensor and other precision sensors, which makes the sampling data more real, more reliable and faster. The



SF₆ comprehensive tester takes the imported sensor with reliable performance as the sensitive element, and integrates many functions such as real-time measurement, curve display, power management, time system, file system, data query, data printing and so on. It integrates the advanced sensor technology and information technology at home and abroad, humanized operation and perfect functions.



Product features

1. Large capacity storage function
2. battery power prompt
3. Good repeatability and fast response
4. Touch operation instrument
5. Large screen color LCD
6. Advanced probe protection function
7. Anti-pollution and interference
8. High sensitivity and stability
9. Small and beautiful size, easy to carry
10. Intuitive curve display
11. Automatic conversion of micro water value to 20 °C standard micro water value



Product specifications and technical parameters

Model.No	RDZH-709A	RDZH-709B
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Dew point detection module		
Dew point range	—80℃ ～ +20℃	
Measurement accuracy	±0.5℃	
Micro water range	0.05 ～ 23100 μL/L	
Measurement response time（+20℃）	-80℃→20℃ 5s(63%), 45s(90%) 20℃→-80℃ 10s(63%), 240s(90%)	
Resolution	Dew point: 0.1℃ Micro water: 0.1ppm（100ppm ～ 1000ppm） 0.01ppm(10ppm ～ 100ppm)	
Repeatability	±0.2℃	
Purity detection module		
Measurement range	0 ～ 99.99%	
Measurement accuracy	±0.2%	
Repeatability	±0.1%	
Resolution	0.01%	
Decomposition product detection module		
Measurement range	SO2: 0 ～ 100μL/L H2S: 0 ～ 100μL/L CO: 0 ～ 1000μL/L	SO2: 0 ～ 100μL/L H2S: 0 ～ 100μL/L CO: 0 ～ 1000μL/L HF: 0 ～ 10μL/L
Measurement accuracy	SO2: when the measured value ≤10μL/L, the error±0.2μL/L when the measured value≥10μL/L, the error≤±3% H2S: when the measured value≤10μL/L, the error±0.2μL/L when the measured value≥10μL/L, the error≤±3% CO:	SO2: when the measured value ≤10μL/L, the error±0.2μL/L when the measured value≥10μL/L, the error≤±3% H2S: when the measured value≤10μL/L, the error±0.2μL/L when the measured value≥10μL/L, the error≤±3% CO:

	when the measured value $\leq 50\mu\text{L/L}$, the error $\pm 0.5\mu\text{L/L}$ when the measured value $\geq 50\mu\text{L/L}$, the error $\leq \pm 4\%$	when the measured value $\leq 50\mu\text{L/L}$, the error $\pm 0.5\mu\text{L/L}$ when the measured value $\geq 50\mu\text{L/L}$, the error $\leq \pm 4\%$ HF: the error of measured value$\leq \pm 0.1\mu\text{L/L}$
Repeatability	SO2: when the measured value $\leq 10\mu\text{L/L}$, the repeatability $\leq \pm 0.1$ when the measured value $\geq 10\mu\text{L/L}$,the repeatability $\leq \pm 2\%$ H2S: when the measured value $\leq 10\mu\text{L/L}$,the repeatability $\leq \pm 0.1$ when the measured value $\geq 10\mu\text{L/L}$,the repeatability $\leq \pm 2\%$ CO: when the measured value $\leq 50\mu\text{L/L}$,the repeatability ± 0.3 when the measured value $\geq 50\mu\text{L/L}$,the repeatability $\leq \pm 3\%$	SO2: when the measured value $\leq 10\mu\text{L/L}$, the repeatability $\leq \pm 0.1$ when the measured value $\geq 10\mu\text{L/L}$,the repeatability $\leq \pm 2\%$ H2S: when the measured value $\leq 10\mu\text{L/L}$,the repeatability $\leq \pm 0.1$ when the measured value $\geq 10\mu\text{L/L}$,the repeatability $\leq \pm 2\%$ CO: when the measured value $\leq 50\mu\text{L/L}$,the repeatability ± 0.3 when the measured value $\geq 50\mu\text{L/L}$,the repeatability $\leq \pm 3\%$ HF: the repeatability of measured value$\leq \pm 0.1$
Resolution	0.1 $\mu\text{L/L}$	
Other parameters		
Gas flow	Flow regulation A regulated at 0.2l/min Flow regulation B regulated at 0.5-0.6l/min	
Probe protection	stainless steel sintered filter screen	
Working environment	Temperature -10 $^{\circ}\text{C}$ \sim +50 $^{\circ}\text{C}$	

	Humidity 0 ~ 90%RH
Working power supply	Lithium battery power supply, AC / DC dual-use, automatic switching, overcharge and over discharge protection function



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