

## • Technical parameters

Name	KF900A Parameters	KF932 Parameters
Fiber Port	8 pairs, LC type port, wave-length 1310nm One ports is a dedicated 1000M module which is suitable for 1000M networks.	4 pairs, LC type port, wave-length 1310nm One ports is a dedicated 1000M module which is suitable for 1000M networks.
Fiber serial port	8, ST type port, wave-length 850nm 6 transmission, 2 receiving (Can be used as FT3 or IRIG-B)	2, ST type port, wave-length 850nm 1 transmission, 1 receiving (Can be used as FT3 or IRIG-B)
Ethernet port	1, 100Base-TX, RJ45	1, 100Base-TX, RJ45
USB Port	1	-
GPS Port	1 channel, inbuilt GPS receiver	1 channel, inbuilt GPS receiver
Analog input port (Optional)	4 or 8 pairs, 18 bit AD, 40kHz sampling rate, input range 0-250VAC	4 or 8 pairs, 18 bit AD, 40kHz sampling rate, input range 0-250VAC
Hard contact binary input	1 Pair, Adaptive dry contact or potential (30~250V), response time $\leq 500\mu s$	1 Pair, Adaptive dry contact or potential (30~250V), response time $\leq 500\mu s$
Hard contact binary output	1 pair, Open-collect type, broken capacity more than 250V, 0.3A (DC), response time $\leq 100\mu s$	1 pair, Open-collect type, broken capacity more than 250V, 0.3A (DC), response time $\leq 100\mu s$
SV Accuracy	voltage and current measurement accuracy error $\geq 0.05\%$ Freq accuracy $< 0.001\text{Hz}$ @ 10~1000Hz Phase output accuracy error $\geq 0.01^\circ$	voltage and current measurement accuracy error $\geq 0.05\%$ Freq accuracy $< 0.001\text{Hz}$ @ 10~1000Hz Phase output accuracy error $\geq 0.01^\circ$
SV output synchronize	Time error between Fiber port $< 1\mu s$	Time error between Fiber port $< 1\mu s$
Power Supply	Inbuilt high-capacity lithium battery AC adaptor input: 220VAC/50Hz, -20%~+20% Output: DC 15V $\pm 10\%$	Inbuilt high-capacity lithium battery AC adaptor input: 220VAC/50Hz, -20%~+20% Output: DC 15V $\pm 10\%$
Display	10.4 inch high-definition capacitive LCD screen (touch screen)	4.3 inch high-definition capacitive LCD screen (touch screen)
Size	320mm $\times$ 250mm $\times$ 100mm(L $\times$ W $\times$ H)	176 $\times$ 100 $\times$ 58 mm(L $\times$ W $\times$ H)
Weight	<2.75kg	<0.75kg

# KINGSINE

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# KINGSINE

## KF900A & KF932

Handheld SV & GOOSE Signal analyzer and simulator



KINGSINE ELECTRIC AUTOMATION CO., LTD.

# KF900A & KF932

1 The smallest digital relay tester, 10.4 inch high-definition LCD screen, touch screen operation;

8 With optical power measurement function, off-site phase detection function, built-in lithium battery power supply, working time is more than 8 hours continuously.

2 With secondary virtual terminal circuit auto test function, By transmission SV and GOOSE message, and receiving MMS feedback which formed closed loop, realize automatic test of virtual terminals;

7 Support Polarity checking function, support use DC method to checking polarity of protection/metering core of electromagnetic current transformer and electronic current transformer;



3 Support importing substation Excel point table, obtain channel mapping configuration of remote measure signal and remote control signal through SCD file, automatically generate station signal point table, and directly transmit remote measure signal and remote control signal according to point number order;

6 Support IRIG-B transmission function, can be used as time source, with 6 channels separate fiber IRIG-B signal;

4 Supports transmission delay, SV message integrity, SV output accuracy, merge unit dispersion of timing and punctuality accuracy measurement;

5 Support recorder and PCAP file off-line analyze function, with PCAP message playback function;