KINGSINE

KFE200 Extension Box for KFA320

Manual & Specification

Version: V1.0

KINGSINE ELECTRIC AUTOMATION CO., LTD

File Revision Record

Date	Version	Change Description	Author
2025/9/25	V1.0	Initial issued	

Catalog

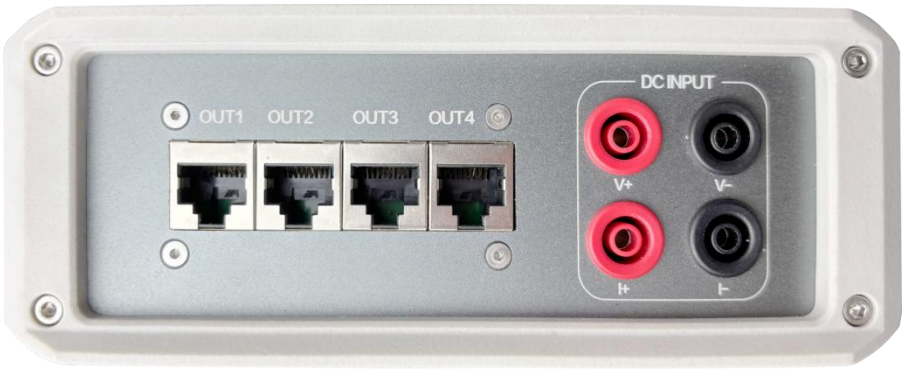
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1 Device Interface & Feature Intro

1.1 Front Panel



1.2 Left Panel



RJ45 output interface	
OUT1	**OUT1**: Includes a1 Voltage & s1 Current Output; Range 0-48V AC
OUT2	**OUT2**: Includes a2 Voltage & s2 Current Output; Range 0-48V AC
OUT3	**OUT3**: Includes a3 Voltage & s3 Current Output; Range 0-48V AC

OUT4	**OUT4**: Includes a4 Voltage & s4 Current Output; Range 0-48V AC

DC Input	Optional for Transducer Calibration
V+,V-	DC Voltage input socket, input range 0~±10V DC
I+,I-	DC Current input socket, input range 0~±20mA DC

1.3 Right Panel



Terminal	Optional for Transducer Calibration
ONE	Grounding port, please connect this port to the same grounding point of KFA320 and DUT.
TWO	DC power supply port, 9~36VDC power supply of KFE200 box. Port type: Type C
THREE	Digital signal from KFA320, D/A transfer to output AC voltage in RJ45 port, range 0-48V AC

1.4 Connection Cables

Cabin RJ45 Cables: use for connect port OUT1~OUT4 of KFE200 to LPIT relay



Digital Cables: Use to connect EXT port of KFA320 to Digital input port of KFE200.



Power Supply Cable: Use for connect OUTPUT DC 24V port of KFA320 to DC Power port of KFE200.



2 Aux.DC Extend Box

Used for inject Aux.DC 0-300V



2.1 Specification

Analog Input	Channels	Input Range	Remark
Voltage	Ch1 ~ Ch4	0-8V	LPVT
Current	Ch5 ~ Ch8	0-8V	LPCT

Analog Output	Range	Accuracy
LPVT (Ch1 ~ Ch4)	1V	0.08%rd+0.03%rg
	10V	0.06%rd+0.03%rg
LPCT (Ch5 ~ Ch8)	48V, Single-ended mode	0.15%rd+0.02%rg