

# Influx

K-Bob



# Influx K Bob breakout box

Part Number: INF2203

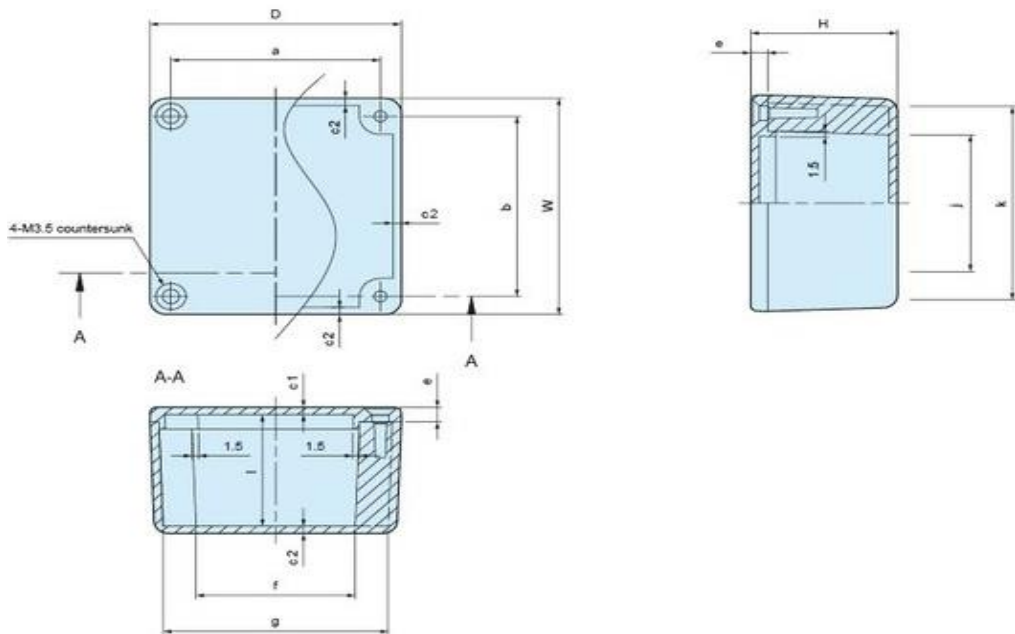


K-BoB BNC breakout box for analogue/digital inputs with connection cable to K-Box and K AN8. K-BoB is an extension box from Influx that allows users to connect sensors to the analogue and digital ports, with easy connection with BNC connectors.

## Key Features:

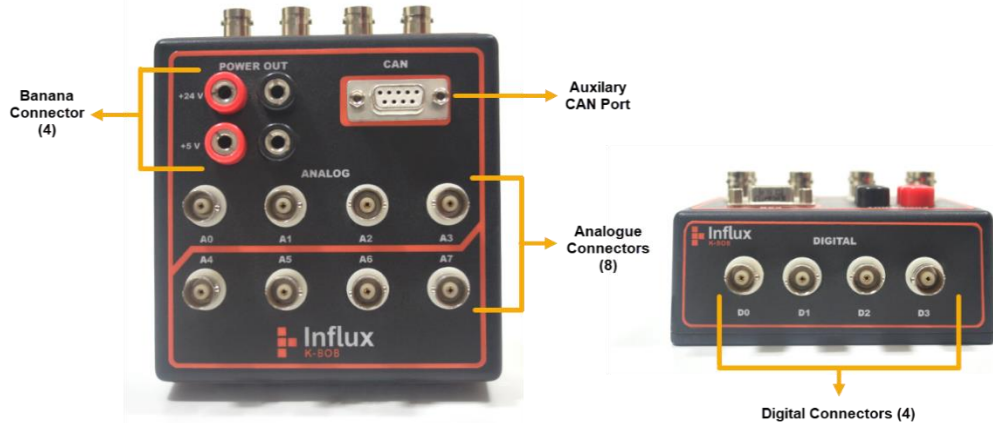
- 8 x BNC Connectors for Analogue Inputs.
- 4 x BNC Connectors for Digital Inputs.
- 1 x DB 9 Male connector for auxiliary CAN/Power.
- 1 x 24 V Power Output.
- 1 x 5 V Power Output.

Enclosure Specification: Aluminum diecast cases with high impact resistance.



W	H	D	a	b	c1	c2	e	f	g	j	k	l	Weight(gm)
110	45	110	100	100	2.5	2.5	4	86	99	86	99	41	280gm

## K-BOB Physical Specification:

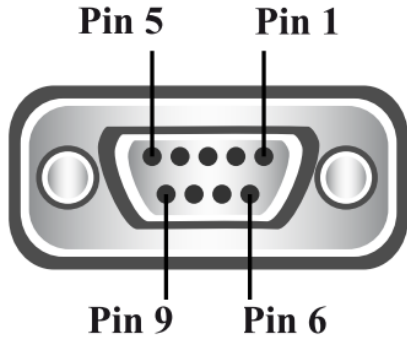


Top & Front View of K-Bob Breakout Box

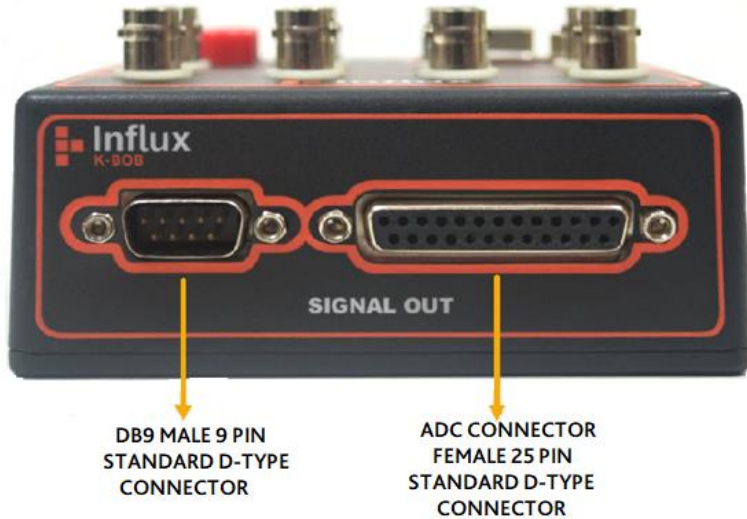
Connector	No. of Pins	Function
Analogue Connectors	8 Pins	For interfacing sensors with analogue inputs
Digital Connector	4 Pins	For interfacing sensors with digital inputs
Banana Connectors	4 Pins	For power out
DB9 CAN Connector	1 - female connector (9 pins)	For plugging another CAN devices
DB9 CAN & Digital Connector	1 – male connector (9 pins)	For interfacing with K-Box or K-AN8
ADC Connector	1 (female) (25 pins)	For interfacing with K-Box or K-AN8

## The CAN Connectors

The CAN connector is a Female 9 pin Standard D Type connector.

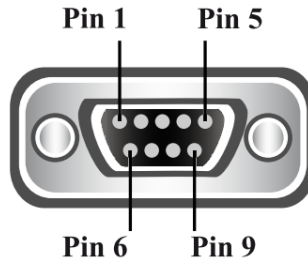


Pin No	Pin Function
Pin 2	CAN Bus Low Signal
Pin 5	Power Ground
Pin 7	CAN Bus High Signal
Pin 9	4.5-36V Supply Voltage



## The CAN/Digital Connector

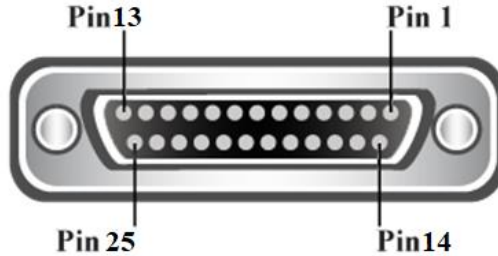
The CAN/Digital connector is a Male 9 pin Standard D Type connector.



Pin No	Pin Function
Pin 1	Digital Output 4 or +4.5V Instrumentation Supply Voltage, ensure that current draw is not more than 100mA
Pin 2	CAN Bus Low Signal
Pin 3	Ground
Pin 4	Digital Input or Output 1 - When used as input, do not apply voltages outside the 0 to +12V range. When used as an Output, ensure that the current drawn is not more than 100mA. More information on the use of this pin can be found in Appendix 2 and 3
Pin 5	Power Ground
Pin 6	Digital Input or Output 3
Pin 7	CAN Bus High Signal
Pin 8	Digital Input or Output 2 - When used as input, do not apply voltages outside the 0 to +12V range. When used as an Output, ensure that the current drawn is not more than 100mA. More information on the use of this pin can be found in Appendix 2 and 3
Pin 9	4.5-36V Supply Voltage

## The ADC Connector

The ADC connector is a Female 25 pin Standard D Type connector.



Pin No	Pin Function	Pin No	Pin Function
Pin 1	+24V Output	Pin 14	Ground Out
Pin 2	+5V Output	Pin 15	Ground Out
Pin 5	Analog Ground	Pin 17	Analog Ground
Pin 6	Analog Input 0 +	Pin 18	Analog Input 0 -
Pin 7	Analog Input 1 +	Pin 19	Analog Input 1 -
Pin 8	Analog Input 2 +	Pin 20	Analog Input 2 -
Pin 9	Analog Input 3 +	Pin 21	Analog Input 3 -
Pin 10	Analog Input 4 +	Pin 22	Analog Input 4 -
Pin 11	Analog Input 5 +	Pin 23	Analog Input 5 -
Pin 12	Analog Input 6 +	Pin 24	Analog Input 6 -
Pin 13	Analog Input 7 +	Pin 25	Analog Input 7 -

### Note

- Do not apply voltages outside of the voltage range the K-Box is configured for.
- Ensure that current draw is not more than 75mA from the 5V and 24 V output.

Influx Technology Ltd



## K-Series Instrumentation Solution

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