

BASSO-1040DT/AI

Industrial Serial to Analog Input Converter



BASSO-1040DT/AI is a multifunctional device that converts real data, such as temperature and pressure measured at industrial sites in voltage and current forms into RS232, RS422, and RS485 and communicates.

In industrial sites such as factories, various analog data are generated for monitoring, measuring, and control, and are processed in various forms to collect and deliver them. Supporting universal RS232/422/485 serial specification and Modbus protocol, BASSO-1040DT/AI provides reliable communication for various user environments.

Overview

Serial Port

RS232/RS422/RS485 interface and termination resistance can be set through BASSO-IO Config Utility.


Analog Input Port

4x Analog Input port can be set between voltage and current.

Industrial Grade

Supports industrial grade operating temperature of -40 ~ 85°C (-40 ~ 185°F).

BASSO-1040DT/AI Specification Sheet

Serial	Interface	RS232 or RS422 or RS485 Selectable (by software)
	Serial Port	DCE(DB9 Female)
	Signals	RS232: TXD, RXD, RTS, CTS
		RS422: TXD+, TXD-, RXD+, RXD-
		RS485: TRXD+, TRXD-
	Data bit	8
	Stop bit	1, 2
	Baud Rate	Max. 921.6Kbps
	Protection	Max. $\pm 15\text{kV}$
Analog Input	Analog I Input	4 (Single Ended)
	Resolution	16 bits
	Sampling Rate	100Hz
	Analog Input Mode	Configurable as 4/20mA or 0-10VDC (by software)
	Input Voltage Range	0(2) ~ 10V
	Input Current Range	0(4) ~ 20mA
	Power	12 ~ 24V (Terminal Block)
Hardware	Power	5 ~ 24V (DC-Jack)  (Outer diameter 3.47mm, Internal diameter 1.35mm)
	LED	RDY(Green), SRL(Red), AI1/3(Green), AI2/4(Yellow)
	Dimension (W x L x H)	102.5 x 54.5 x 24.5mm (4.04 x 2.15 x 0.97in)
	Weight	68g (2.4oz)
	Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)
	Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
	Humidity	5~90% Non-condensing
Ordering information		BASSO-1040DT/AI

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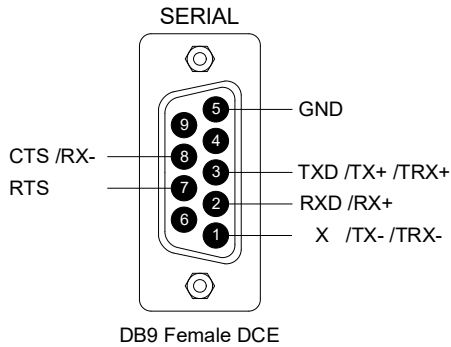
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Specifications subject to change without notice

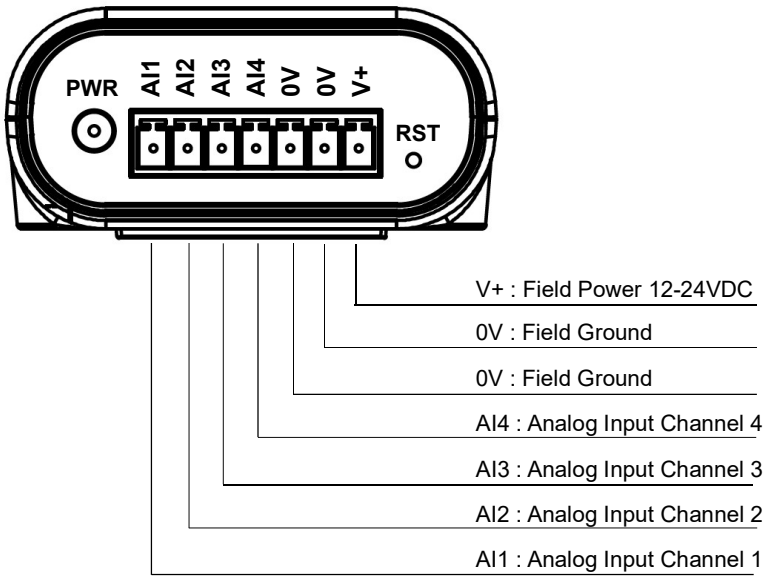


Pin Spec



DB9 PIN No.	RS232	RS422	RS485
1	-	TX-	TRx-
2	RXD	RX+	-
3	TXD	TX+	TRx+
5	GND	-	-
7	RTS	-	-
8	CTS	RX-	-

[Caution] RS232 port is in DCE(Data Communication Equipment) mode and should be connected by direct cable to DTE ports such as PCs.



Voltage/current settings of Analog Input port can be changed via BASSO-IO Config Utility such as interface/ baud rate settings of serial port.

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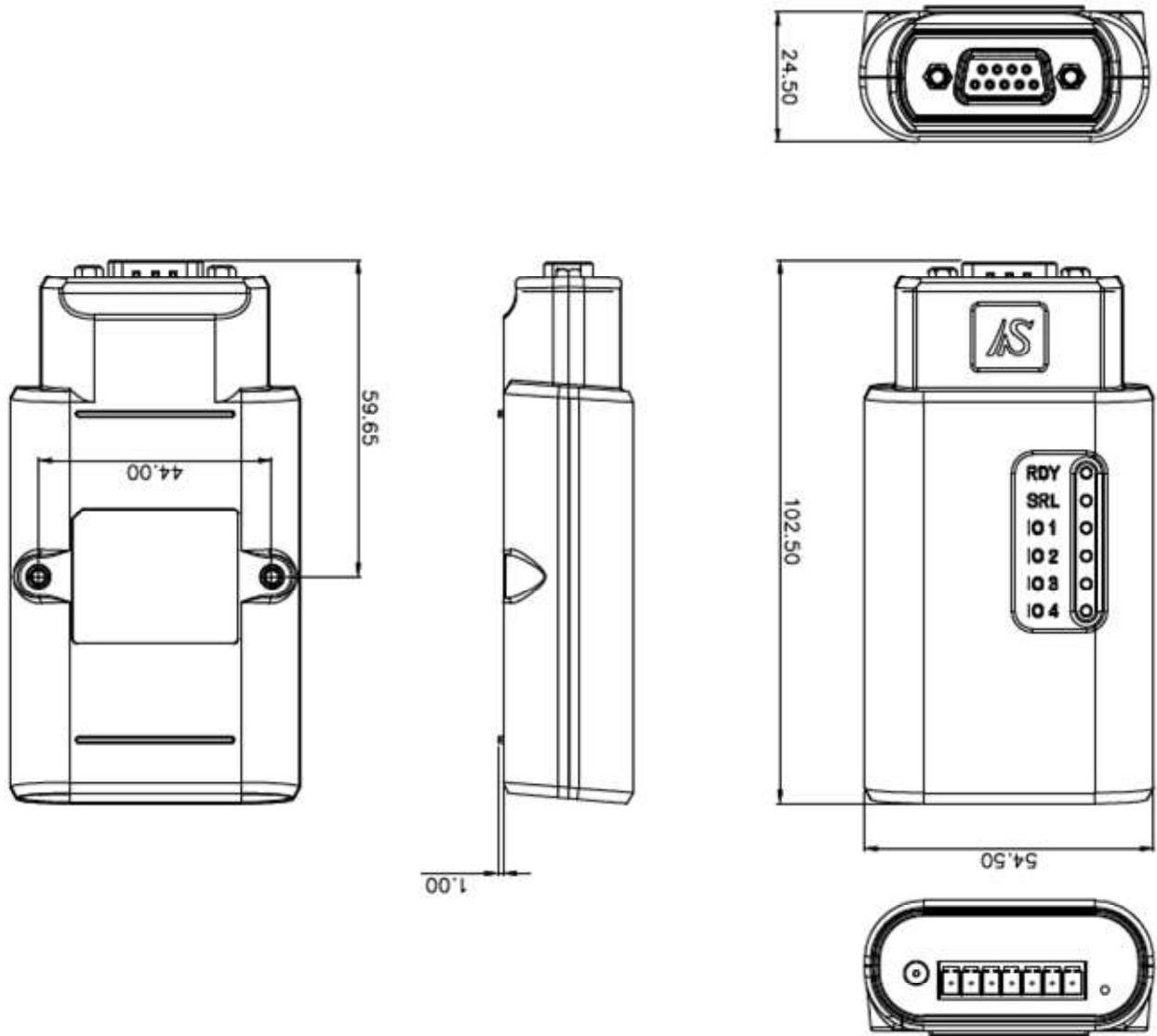
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Dimension



(unit: mm)

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