

EX-A8 – 8-channel analogue input module

EX-A8

WARRANTY
3
YEARS

RS-485

DIN RAIL

MODBUS RTU

8AI

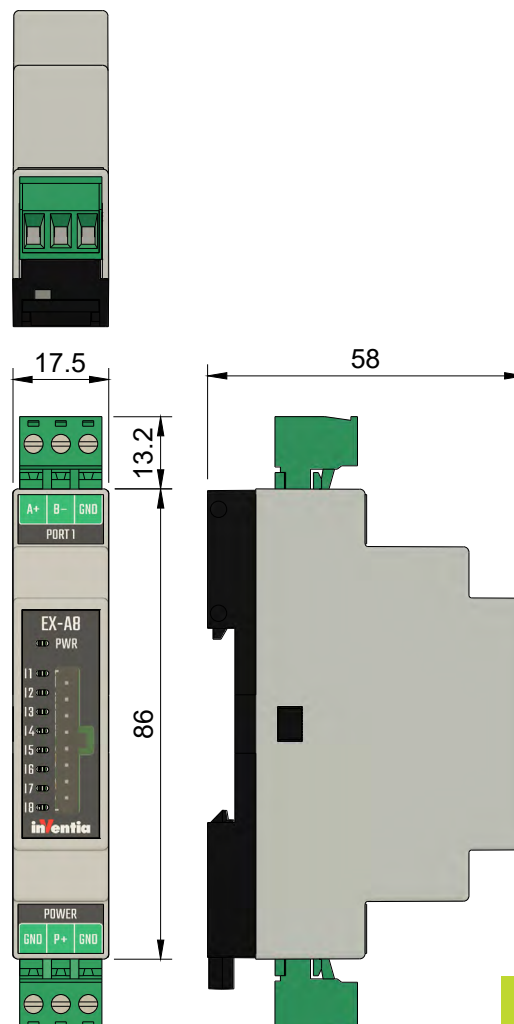
DIAGNOSTIC
LEDs

- 8 analogue inputs 4–20 mA
- 8 LEDs indicating measurement range exceeding
- Power supply indicator LED
- Detachable connectors for power supply, RS-485 and analogue inputs
- RS-485 MODBUS SLAVE serial port
- Configuration of analogue inputs and serial port via software tools
- 12/24 V power supply
- DIN rail mounting
- 36-month warranty



The EX-A8 analogue input module measures eight 4–20 mA signals and allows them to be read via the RS-485 port using the MODBUS protocol. The measurement inputs are protected against voltage connections up to 30 V.

Drawings and dimensions (all dimensions in millimeters)



General

Degree of protection	IP 20
Operating temperature range	Od -25 to 55 °C
Dimensions WxHxD	17,5 x 86 x 58 mm
Mounting	Szyna DIN 35 mm
Diagnostic LEDs for measurement loop closure	Yes

RS-485

Default settings	9 600 bps 8-N-1
Protocol	Modbus RTU
Modbus ID	1–255, default 1, can be changed using a dedicated utility program

8 analogue inputs referenced to the negative power supply terminal

Measuring range	0–20 mA
Resolution	1 uA
Accuracy (at 25 °C)	±0.2 % of range
Input resistance	<200 Ω
Protection against connection to a power supply with a voltage	<30 V
Reverse polarity protection	Yes

Power supply

Supply voltage	5–24 V DC
Current consumption	20 mA min.
	70 mA max.

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