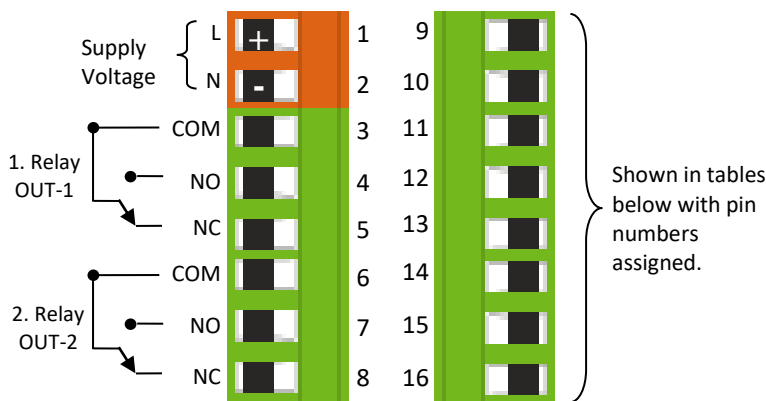




- 4 different analogue input on one device
- Two lines display;
The first line shows the analog process value from the sensor and the second line shows the unit or relay set point for the measured value
- Load Cell can also be connected
- RS-232, RS-485, USB or CANopen communication
- 2 relay outputs which can be set in different functions
- Analog output options (0-10V, 0-5V, 0.5-4.5V, 4-20mA, 0-20mA)
- Invertible analog output (eg, 0 V, 20-0 mA)
- High refresh rate: 3.5 kHz
- Converting analogue signals (4-20 mA, 0-20 mA, 0-10 V, potentiometric, ratiometric) to CANopen signals, and CANopen signals to analogue.
- Fast and easy parameter configuration via USB
- Compact design
- User friendly and easy interface
- Tare function (scaling to zero)
- Password protection and Hide function for menu

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CONNECTIONS



TECHNICAL PROPERTIES

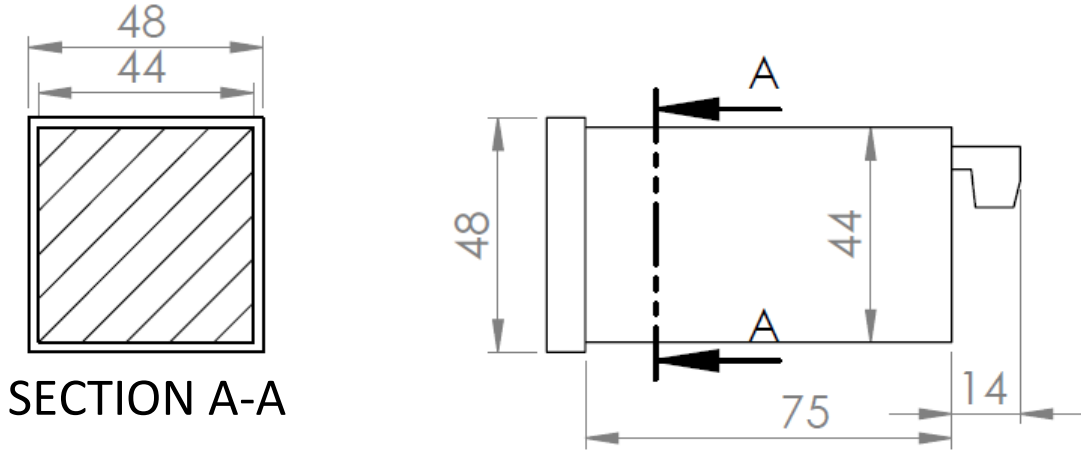
Display	1st Line: 7-segment LED, digit height:7mm 2nd Line: 7-segment LED, digit height:7mm
Supply Voltage	24 V _{AC/DC} 50/60 Hz 85-265 V _{AC} 50/60 Hz
Power usage	9 VA / 2,7 Watt Max
Sensor Supply Voltage	Pot: 5 V _{DC} mV/V: 10 V _{DC} 0-10V: 24 V _{DC} 4-20 mA: 24 V _{DC} CANopen: 24 V _{DC}
Max Sensor Supply Current	100 mA
Refresh Rate	3.5 kHz
Resolution	16 bit
Analogue Inputs	Potentiometer, 0.5-4.5 V, 0-5 V, 0-10 V, 4-20 mA, 0-20 mA, 3.33 mV/V, 2mV/V, 2.5mV/V Ratiometric
Relay Outputs	2 x 250 V _{AC} 3A Relay
Serial Communication (Optional)	RS-232, RS-485, USB, CANopen
Analogue Outputs (Optional)	0-10 V, 0-5 V, 0.5- 4.5 V, 4-20 mA, 0-20 mA
Electrical Connection	2,5 mm ² Universal Terminal
Weight	200 gr
Operating Temperature	0 ... 50 °C
Protection Class	IP60 Front Panel, IP20 Back Panel

Digital Conn.	9	10	11	Analog Outputs	12	13
RS485	A	B	GND	4-20 mA 0-20 mA 0-10 V 0-5 V 0.5-4.5 V	Signal Output	GND
RS232	Rx	Tx	GND			
USB HID	USB CONNECTOR					
USB VIRTUAL	USB CONNECTOR					
CANopen	CAN HIGH	CAN LOW	GND	Tare Input	Tare Input	GND

SENSOR	12	13	14	15	16
Potentiometer	X	X	1. pin	2. pin	3. pin
4-20 mA Input 0-20 mA Input 0-10 V Input 0-5 V Input 0.5-4.5 V	X	X	Sensor Supply	Signal Input	GND
mV/V Input	Signal(+)	Signal(-)	Supply	X	GND

Physical Interface	Protocol
RS-232, RS-485, VCP	ASCII, ModBus_RTU, ModBus_ASCII
USB	HID DEVICE
CAN	CANopen

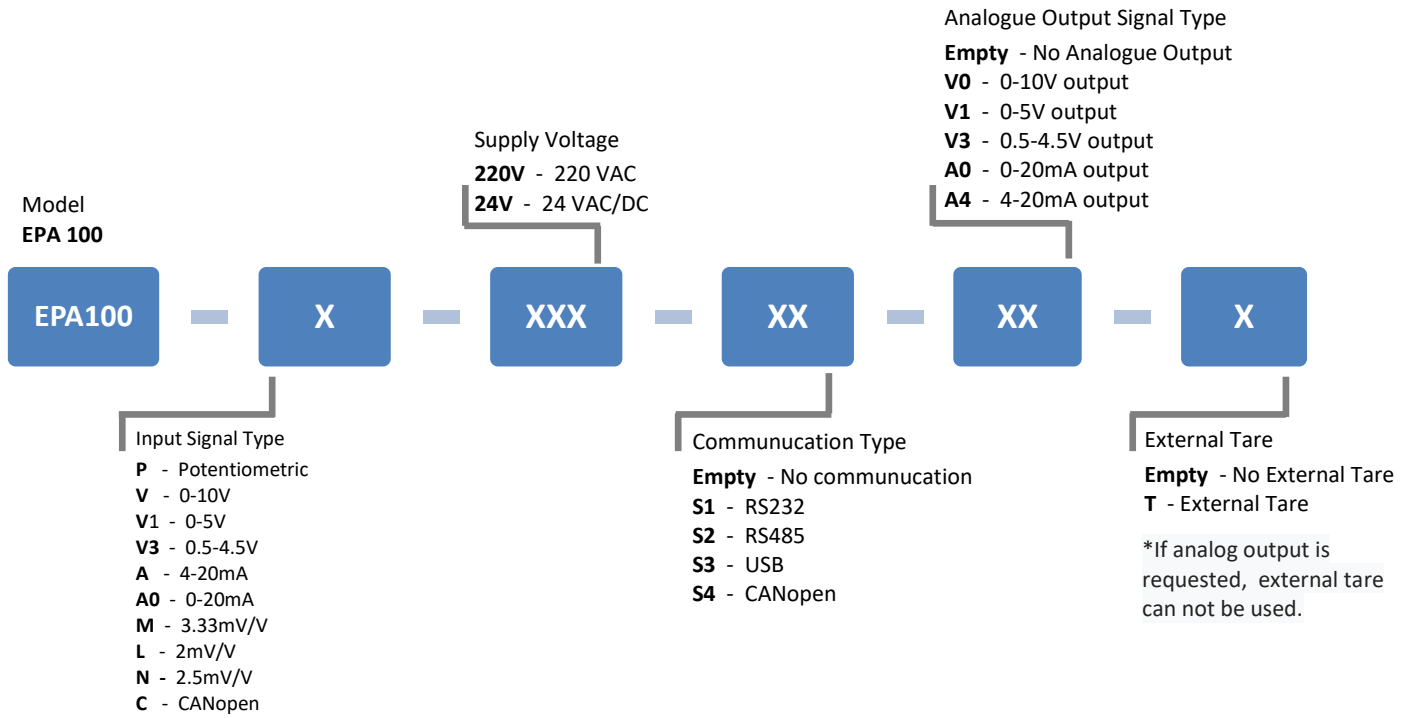
Mechanical Dimensions



SECTION A-A

Order Coding

Use the following coding format when you will order your EPA 100 process controller.



*If the input signal type is selected as mV/V (M, L, N), the analog output signal (V0, V1, V3, A0, A4) cannot be received.

Sample product code: **EPA100-P-220V-S2-A4-T**
EPA100-M-220V-S2-T

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