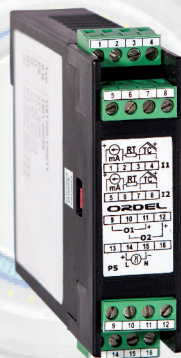


## Universal Signal Converter



# UST100

UST100 model devices, used to convert analog signals that are created in any environment to standard analog signals isolated from input. These devices have one universal analog input and one analog output.

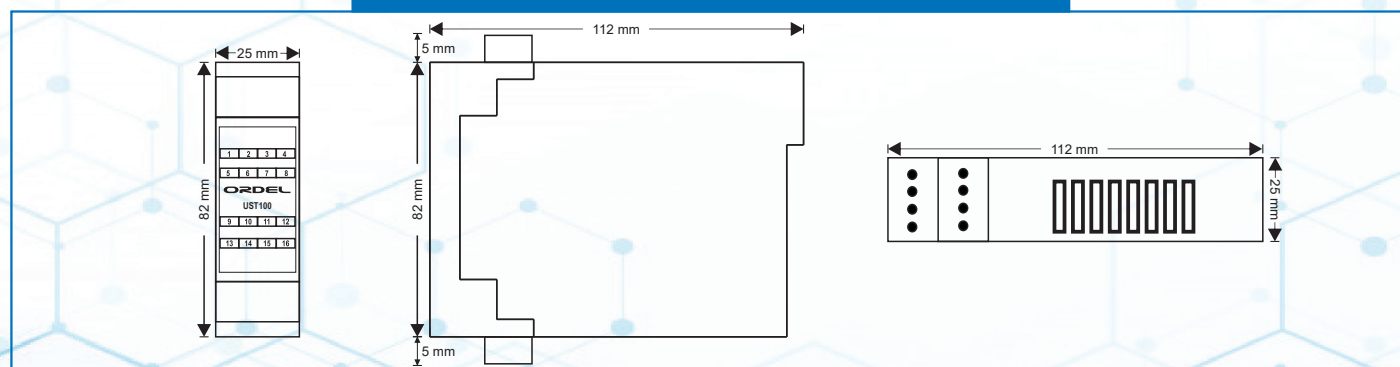
These devices are microprocessor-based and can easily be used by configuring over computer with SBA100 USB/UART Converter.

All inputs and outputs are isolated from the network and each other.

Technical Specifications	
Power Supply ( PS )	100-240 Vac/dc +10% -15% 24 Vac/dc +10% -20%
Power Consumption	2W, 3VA
Analog Inputs ( I1 )	Thermocouple = B, E, J, K, L, N, R, S, T, U Resistance Thermometer = Pt-100 Current = 0/4-20mA Voltage = 0-10V Voltage = 0-50mV
Thermocouple Input Impedance	Thermocouple, mV = 10MΩ Current = 10Ω
Analog Output ( O1 )	Current = 0/4-20mA ( RL≥500Ω ) Voltage = 0/2-10V ( RL≥1MΩ )
Memory	100 Years, 100.000 Renewals
Accuracy	+/- 0,2%
Sampling Time	400 ms
Environment Temperature	Working = -10...+55°C Storage = -20...+65°C
Dimensions	Width = 25 mm Height = 92 mm Depth = 113 mm
Weight	134 gr

Input Types			
Sensor Type	Standard	Min.	Max.
Type-T ( Cu-Const )	IEC60584	-200 °C	300 °C
Type-U ( Cu-Const )	IEC60584	-200 °C	600 °C
Type-J ( Fe-Const )	IEC60584	-200 °C	800 °C
Type-L ( Fe-Const )	IEC60584	-200 °C	900 °C
Type-K ( NiCr-Ni )	IEC60584	-200 °C	1200 °C
Type-E ( Cr-Const )	IEC60584	-200 °C	1200 °C
Type-N ( Nicrosil-Nisil )	IEC60584	0 °C	1200 °C
Type-S ( Pt%10Rh-Pt )	IEC60584	0 °C	1500 °C
Type-R ( Pt%13Rh-Pt )	IEC60584	0 °C	1600 °C
Type-B ( Pt%18Rh-Pt )	IEC60584	0 °C	1800 °C
Pt-100	DIN 43760	-200 °C	850 °C
0 / 4-20 mA		0 mA	20 mA
0 / 2-10 VDC		0 VDC	10 VDC

### Device Dimensions



## Modular Structure and Connection Diagram



2

### Product Code

UST100 - / / 0

**Supply Voltage :** \_\_\_\_\_

- 0 = 100-240Vac/dc (Universal)
- 1 = 24 Vac/dc

**Input Type Options ( I1 ) :** \_\_\_\_\_

- 0 = TC, RT, mV, mA
- 1 = TC, RT, mV, V

**Analog Output Module ( O1 ) :** \_\_\_\_\_

- 1 = 0/4-20mA Current Output
- 2 = 0/2-10Vdc Voltage Output

PS

I1

O1