

Universal Signal Converter, Arithmetic Processor and Signal Multiplexer (Two Inputs - Two Outputs Feature)



UST200

UST200 Model devices are the devices used in converting various analog signals used in industrial environments from the input to isolated analog signals and performing arithmetic operations between these signals. These devices have two universal analog inputs and two analog outputs.

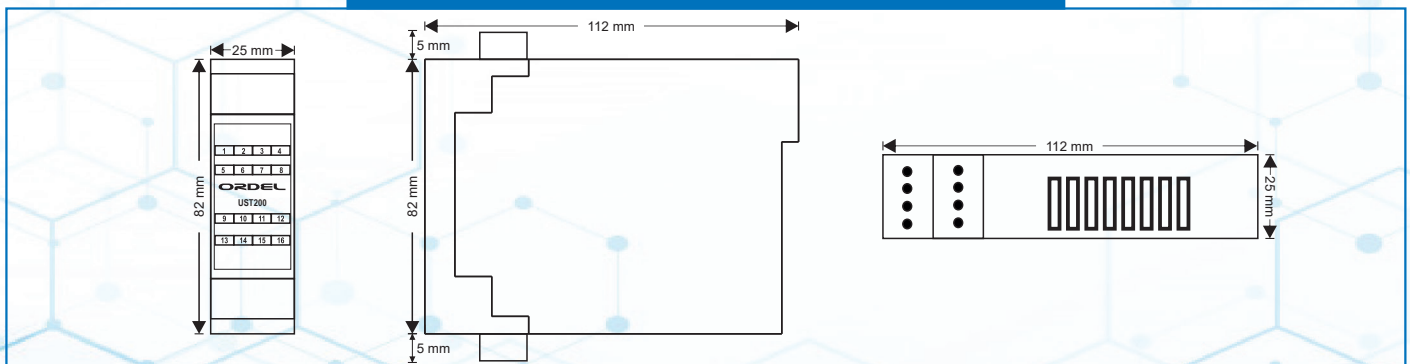
These devices are microprocessor based and can be configured and used very easily on the computer with the SBA100 USB-UART converter.

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

