











LPI15

LPI15 Model converters are industrial devices that convert thermocouple or resistance thermometer signals to a two wire 4-20mA analog signal. The process value can be monitored with the LCD indicator on it.

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

Device Features

1 pcs 3½ Digit LCD Display 1 pcs Sensor Input (TC, RT)

1 pcs Analog Output (4-20mA)

1 pcs Semiconductor Relay Output Configuration Via Computer

24V DC Supply Two-wire Connection

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

Technical Specifications		
Power Supply (PS)	10-35 VDC	
Input	Thermocouple = B, E, J, K, L, N, R, S, T, U Resistance Thermometer = Pt-100	
Thermocouple Input Impedance	10ΜΩ	
Analog Output	Current = 0/4-20mA, 20-4mA	
Relay Output	250V, 80mA, NO Contact	
Memory	100 Years, 100.000 Renewals	
Accuaracy	+/- 0,2%	
Sampling Time	100 ms	
Environment Temperature	Working = -20+70°C Storage = -40+85°C	
Dimensions	Width = 85 mm Height = 120 mm Depth = 120 mm	

Sample Coding

For Thermocouple

OT03-K11H9-15 Ü LPI15

Thermocouple has Nicr-Ni (K) type element, element number is 1, element wire diameter is 1 mm. Protective sheath material 1.4571 DIN Stainless. The protective diameter is 9 mm, the immersion length is 150 mm, distance between head and raccord 120 mm, ½' fixed raccord. LPI15 type LCD display.

Note: For the selection of temperature sensor, you can check Thermocouple and Resistance Thermometer section in ORDEL Catalog.

For Resistance Thermometer

OR03-B1H09-15 Ü LPI15

Resistance thermometer Pt-100 single element. The protective sheath diameter is 9 mm, the immersion length is 150 mm, distance between head and raccord 120 mm, with 1/2' fixed raccord. LPI15 type LCD display.

