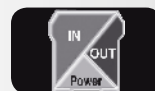
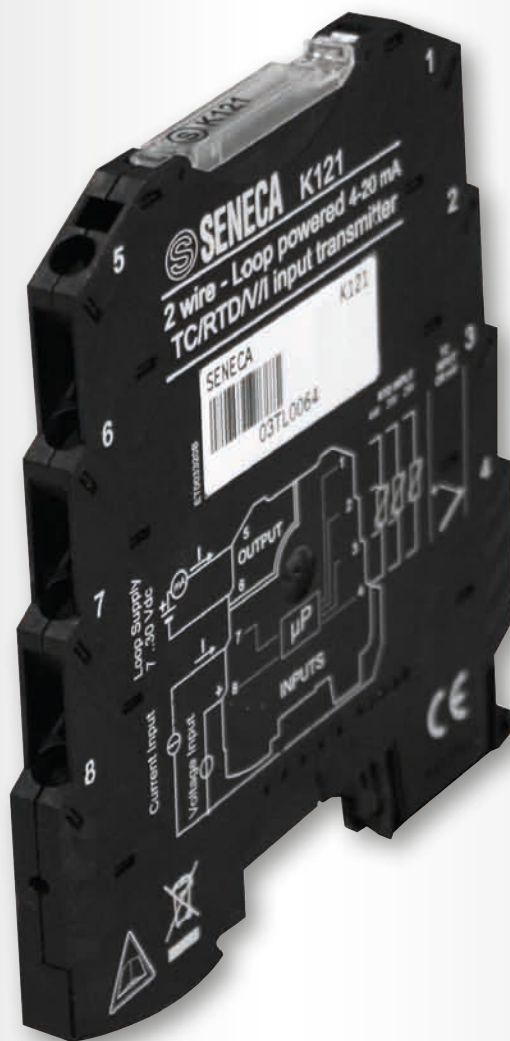


K LINE

Converters / Isolators 6,2 m housing

K121

Programmable Loop-Powered Universal Converter



THE NARROWEST UNIVERSAL CONVERTER

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K LINE Converters / Isolators 6,2 m housing

K121

Programmable
Loop-Powered Universal
Converter



CODICI D'ORDINE

Model	K121	Programmable Loop-Powered Universal Converter
Programming Kit	S117P1	Easy-LP software + USB adapter

TECHNICAL DATA

INPUT Thermocouple (J,K,R,S,T,B,E,N), EN 60584 RTD (Pt100, Pt500, Pt1000, Ni100) 2/3/4 wires Potentiometer 500 Ω -10 KΩ Sensors / Transducers Level Flow Pressure Volume Humidity Speed Acceleration Force ...		OUTPUT / POWER SUPPLY
Power supply	7..30 Vdc	
Universal Input	Thermocouple (J,K,R,S,T,B,E,N) - RTD (PT100-500-1000-Ni100) with 2,3,4 wire connections Voltage -150...+150mV, -30...+30V - Current -24...+24mA Potentiometer 500 Ω -10 KΩ - Resistance up to 1760 Ω	
Output	4..20 mA (loop powered)	
Galvanic isolation	1,5 kVac	
Configuration	Through EASY-LP software (S117p) Via free software	
Operating temperature	-20...+65 °C	
Settings	EASY-LP by USB adapter (S117P1, free custom linearization)	
Dimension (wxhxd)	6.2x93.1x102.5 mm	
Connection	Spring clamp (EN 60175)	
Approval & Norms	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1	

SCHEMES, PROGRAMMING

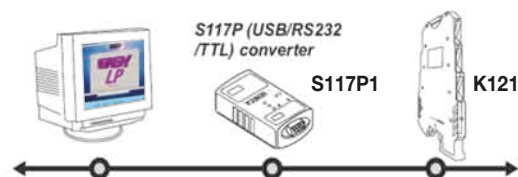
TABLE OF INPUT RANGE

	Input	Range	Calibration error	EMI	Minimum Span	Resolution	Standard
Thermocouple	J	-210..1200 °C	0,1 %	< 0,5 %	50 °C	5 μV	EN 60584
	K	-200..1372 °C	0,1 %	< 0,5 %	50 °C	5 μV	EN 60584
	R	-50..1768 °C	0,1 %	< 0,5 %	100 °C	5 μV	EN 60584
	S	-50..1768 °C	0,1 %	< 0,5 %	100 °C	5 μV	EN 60584
	T	-200..400 °C	0,1 %	< 0,5 %	50 °C	5 μV	EN 60584
	B	0..1820 °C	0,1 %	< 0,5 %	100 °C	5 μV	EN 60584
	E	-200..1000 °C	0,1 %	< 0,5 %	50 °C	5 μV	EN 60584
	N	-200..1300 °C	0,1 %	< 0,5 %	50 °C	5 μV	EN 60584
RTD	Ni100	-60..250 °C	0,1 %	< 0,5 %	20 °C	6 mΩ	DIN 43760
	Pt100	-200..650 °C	0,1 %	< 0,5 %	20 °C	6 mΩ	EN 60751
	Pt500	-200..650 °C	0,1 %	< 0,5 %	20 °C	28 mΩ	
	Pt1000	-200..200 °C	0,1 %	< 0,5 %	20 °C	28 mΩ	
Voltage	mV	-150..150 mV	0,1 %	< 0,5 %	2,5 mV	5 μV	
Potent.	Ω	500.. 10000Ω	0,1 %	< 0,5 %	10 %	0.0015 %	
Resist.	Ω	0..400 Ω	0,1 %	< 0,5 %	10 Ω	6 mΩ	
Resist.	Ω	0..1760 Ω	0,1 %	< 0,5 %	10 %	28 mΩ	
Voltage	V	-30 ..30 Vdc	0,1 %	< 0,5 %	0,5 V	~ 1 mV	
Current	mA	-24 ..24 mA	0,1 %	< 0,5 %	0,5 mA	~ 1 μA	

EASY-LP SOFTWARE SCREENSHOTS



CONFIGURATION



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