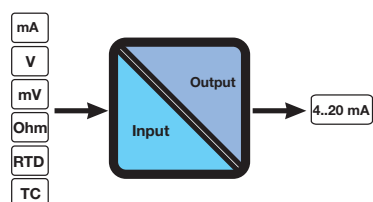


K121

LOOP POWERED UNIVERSAL CONVERTER



K121 is a performant universal converter able to manage all analog signals (mA, mV, V, PT100, Pt1000, Pt500, Ni100, TCs, Ohm) and convert / isolate it into 4..20mA loop powered signal. The output mode (normal/inverted), scale overrange, output in case of fault sensor are selectable parameters available by PC software. A 2-way galvanic isolation among input // output circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	7..30 Vdc
Power consumption	< 660 mW
Isolation	1.500 Vac (2 way)
Transducer Power Supply	No
Accuracy	0,1%
Response time	About 140 ms
Status Indicators	Power supply, error
Setting	EASY LP (PC software)
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-20..+65 °C
Dimension (W x H x D)	6,2 x 93 x 102,5 mm

Input

Channel Numbers	1
Voltage	-150...+150 mV (input imped. 10 MΩ) -30...+30V (input imped. 200KΩ)
Current	-24..24 mA Input impedance 40Ω
Rtd	Pt100, Pt500, Pt1000, Ni100 Measure 2, 3, 4 wires
Thermocouple	Type J, K, R, S, T, E, B, N
Potentiometer	500 Ω ..10 KΩ

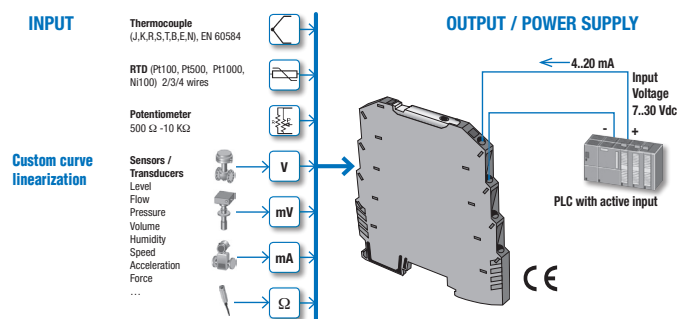
Output

Channel Numbers	1
Current	4...20mA (loop powered)

Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1



APPLICATION NOTE






ORDER CODES

Code	Description
K121	Loop powered universal converter

ACCESSORIES & SOFTWARE

	
EASY USB USB ↔ UART TTL CONVERTER pg. 60	EASY LP Programming software pg. 114

SIMILAR PRODUCTS

		
Z109REG2 Universal converter to DC current/voltage isolator converter with alarm output pg. 78	T121 Loop powered temperature transmitter pg. 117	K120RTD Pt100, Ni100 loop powered transmitter pg. 109