

Compact signal converter – PicoPak

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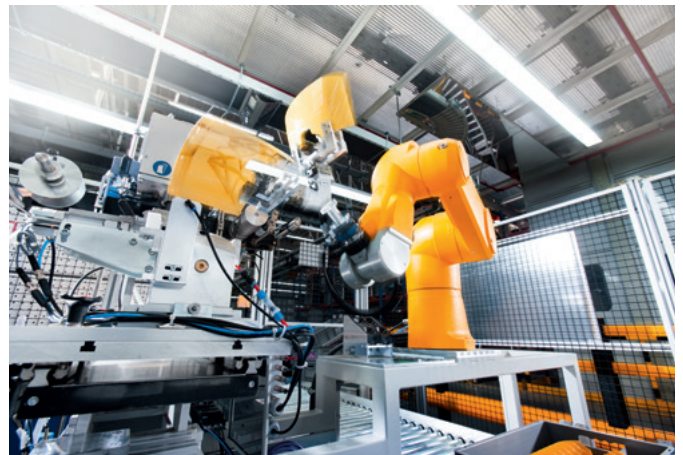
Measuring and isolating without auxiliary power supply

PicoPak - the smallest standard signal isolator

Many processes are only possible with the safe conversion and reliable separation of analogue current signals. With impressive performance, our analogue signal converter PicoPak supports the simultaneous measurement and galvanic isolation of signals from active field sensors and PLC input cards. Because of their integrated input and output current loop, the module does not require any additional auxiliary power supply and can also be easily used in remote switch boxes. Being integrated into a housing that is only 6 mm wide means that the signal converters take up very little space on a terminal rail. Both the tried-and-tested screw connectors and the convenient PUSH IN connection technology designs ensure reliable connections.

Your special advantages:

- High flexibility for a variety of applications due to worldwide approvals and an extended
- temperature range from -40 to +70°C
- Loop powered to isolate active field sensors without additional auxiliary power supply from active PLC input cards
- Reliable measurement range and zero point calibration using a potentiometer



Span and Zero point calibration
Adjustable by potentiometer

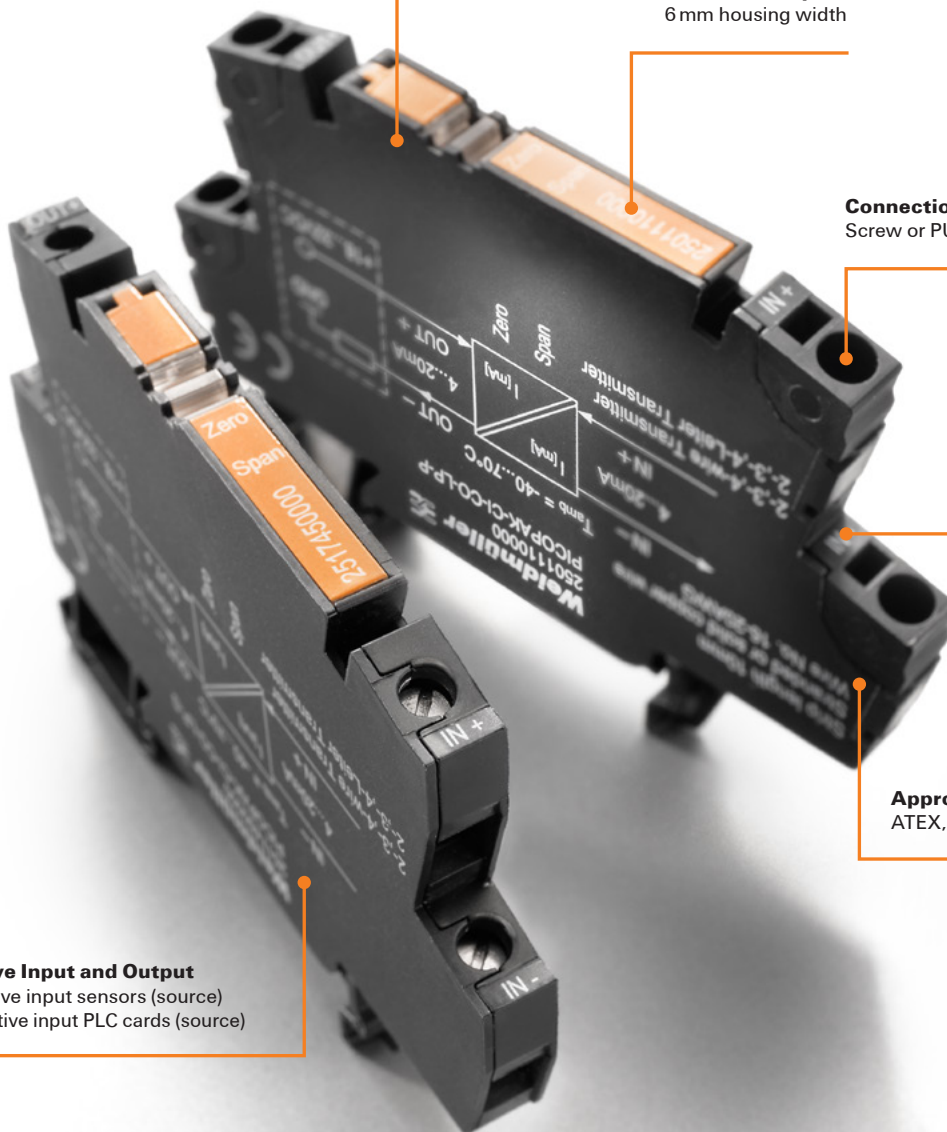
Slim and compact
6 mm housing width

Connection technology
Screw or PUSHIN terminals

Extended temperature range
-40 °C...+70 °C

Approvals for world wide use
ATEX, IECEX, cULus, CI1 Div2

Passive Input and Output
for active input sensors (source)
and active input PLC cards (source)



Selection table

F



Selection table

Order No.	Product	Input								Miscellaneous	Sensor feed	Width
		Amount	0...20 mA	4...20 mA	0...10 V	0...5 V	TC	RTD	Frequency			
Compact signal converter - PicoPak												
2517450000	PICOPAK-CI-CO-LP-S	1		X						4-wire sensor		6.1 mm
2501110000	PICOPAK-CI-CO-LP-P	1		X						4-wire sensor		6.1 mm

	Output					Configuration	Auxiliary power	Rated voltage	Isolation	Connection system	Special characteristics
	Amount	0...20 mA	4...20 mA	0...10 V	Relay						
1		X				Potentiometer	output loop	300 V	2-way	S	Passive converter, ATEX approval Zone 2, UL certified
1		X				Potentiometer	output loop	300 V	2-way	P	Passive converter, ATEX approval Zone 2, UL certified

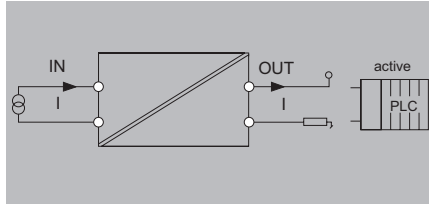
Connection system: S = screw / Z = tension clamp / P = Push In, ILP = Input Loop Powered, OLP = Output Loop Powered

Passive isolator

Passive isolator, output loop powered

- Input for current source (active)
- Output current signal (passive)
- 2-way isolation
- Manual zero and span adjustment
- Increased operating temperature range -40 °C ...+70 °C

PICOPAK-CI-CO-LP



Technical data

Input	
Number of inputs	1
Input current	4...20 mA @ 6...35 V DC
Sensor	Current source
Voltage drop, current input	≤3,5 V
Analogue outputs	
Load impedance current	≤ 600 Ω
Output current	4...20 mA, loop-powered
Supply voltage (output)	18...32 V
General data	
Accuracy	< 0.1 % of measuring range
Configuration	Potentiometer
Voltage supply	Output loop powered
Step response time	≤ 5 ms
Temperature coefficient	≤ 200 ppm/K
Power consumption, max.	0.8 W
Voltage supply	Output loop powered
Long-term drift	≤±0.05% of the measurement range / year
Insulation coordination	
EMC standards	EN 61326-1
Galvanic isolation	2-way isolator
Overvoltage category	II
Insulation voltage	3,5 kV
Rated voltage	300 V AC _{max}

Dimensions	
Clamping range (nominal / min. / max.)	mm ²
Depth x width x height	mm
Note	
Ordering data	
	Screw connection
	PUSH IN connection
Note	
Accessories	
Note	

Dimensions	
Clamping range (nominal / min. / max.)	mm ²
Depth x width x height	mm
Note	

Screw connection		PUSH IN	
55 / 6.1 / 79.4		55 / 6.1 / 79.4	
Note		Note	

Ordering data	
	Screw connection
	PUSH IN connection
Note	

Type	Qty.	Order No.
PICOPAK-CI-CO-LP-S	1	2517450000
PICOPAK-CI-CO-LP-P	1	2501110000

Note

Accessories
Note

Note

Accessories
Note