



EPI4374-0002 | 2-channel analog input + 2-channel analog output ± 10 V or 0/4...20 mA, parameterisable, 16 bit

The EPI4374 IO-Link box combines two analog inputs and two analog outputs which can be individually parameterised, so that they process/generate signals either in the $-10 \dots +10$ V or the 0/4...20 mA range. The resolution for the current and voltage signals is 16 bit (signed).

The voltage or output current is supplied to the process level with a resolution of 15 bit (default), and is electrically isolated. Ground potential for the two output channels is common with the 24 V DC supply.

Technical data	EPI4374-0002
Communication	IO-Link
Data transfer rates	230.4 kbaud (COM 3)
Specification version	IO-Link V1.1, Class B
Number of outputs	2
Number of inputs	2
Input/output connections	M12, screw type
Interfaces	1 x M12 plug, A-coded
Signal type	-10/0...+10 V 0/4...20 mA
Load	> 5 k Ω < 500 Ω
Internal resistance	input:> 200 k Ω typ. 85 Ω + diode voltage
Resolution	16 bit (incl. sign)
Input filter limit frequency	5 kHz
Conversion time	input: ~ 100 μ s, output: ~ 40 μ s
Measuring error	< 0.1 % (relative to full scale value)
Bit width in the process image	4 x 16 bit AO output
Electrical isolation	L+/2L+: yes
Current consumption	typ. 100 mA from L+
Special features	combi module, current or voltage parameterisable per channel
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable
Approvals	CE, UL

Related products	
EP6228	EtherCAT Box, industrial housing, 8-channel IO-Link master, IP 67
EP6224	EtherCAT Box, industrial housing, 4-channel IO-Link master, IP 67
EL6224	EtherCAT Terminal, IO-Link master, IP 20
KL6224	Bus Terminal, IO-Link master, IP 20