

USB Interface Adapter IA250

- ◆ Universal USB-to-Serial converter
- ◆ Optically isolated adapter
- ◆ Complies with USB 2.0 full speed standard
- ◆ Supports COMECO transmitters and RS485 devices
- ◆ Does not require additional power supply
- ◆ Suitable for "PolyMonitor" and "TraCon" software
- ◆ Small size and low cost



IA250 is a universal isolated interface adapter, designed to support interface connection between COMECO devices and PC or other USB devices. Its electronics is enclosed in a small-sized plastic box with IP54 front protection and equipped with USB-B and RJ25 interface connectors. Powered by the USB interface line, this plug-and-play device does not need any additional power supply. Two IA250 variants are available:

- a variant for configuration and data collecting from a network of various COMECO control devices with RS485 interface and net addresses;

- a variant for configuring COMECO transmitters via quasi-RS232 interface.

IA250 is applicable to the "PolyMonitor" data-acquisition software and the transmitter-configuration program "TraCon", and may also be used with customer-developed PC software based on the free communication protocols of the COMECO devices.

Technical specifications

'Input' interface

Network interface	RS485
- supported net devices	up to 32 devices in up to 8 groups
- function	net control
Transmitter interface	quasi RS232
- supported net devices	COMECO smart transmitters
- function	configuration and data acquisition
Format	8 (data) + 1 (stop), even parity
Baud rate	max. 9600 bps

'Output' interface

Interface type	USB 2.0 full speed compatible
Function	connection to PC
Format	USB 2.0 specifications
Speed	USB 2.0 specifications
Isolation	optical, 750 VAC

Software

USB driver	FTDI standard USB driver
Transmitter configuration	"TraCon" v2.0 or higher, free
Data acquisition	"PolyMonitor" ⁽¹⁾

⁽¹⁾ Ordered separately

Power supply

Supply voltage	5 VDC from USB line
Consumption	max. 100 mA

Indication

'Tx' LED	for data transmitting
'Rx' LED	for data receiving

Accessories ⁽¹⁾

Input cable	variant 'N': K10U; variant 'T': K1U or K2U
Output cable	K8 (USB-B-to-USB-A standard)

Operating conditions

Operating temperature	0...50 °C
Operating humidity	0...80 %RH

Design and materials

Case material	plastic
Mounting	desktop
Input connector	RJ25, female
Output connector	USB-B, female
Dimensions	40x73x26 mm
Weight	max. 60 g
Protection class	IP54

Ordering code IA250★

Code	Feature or option	Code values
★	Variant	N - for RS485, T - for transmitters (quasi-RS232)