

## Specifications

'Input' Interface	<input type="checkbox"/> RS485, <input type="checkbox"/> RS232 (for transmitters)
Format	8 (data) + 1 (stop), even parity
Baud Rate	max. 9600 bps
Supported Devices	max. 32
Connector	RJ25
'Output' Interface	USB 2.0 full speed compatible
Isolation	optical, 750 VAC
USB Driver	FTDI standard (www.ftdichip.com)
Connector	USB receptacle type "B"
Compatible Software	"TraCon", "PolyMonitor"
Accessories	<input type="checkbox"/> cable K1U (in-head transmitters), <input type="checkbox"/> cable K2U (DIN-rail transmitters), <input type="checkbox"/> cable K8 for PC (USB-B to USB-A), <input type="checkbox"/> cable K10U (RS485 network)
Power Supply	4.7...5.3 VDC from USB line
Consumption	less than 100 mA
Operating Temperature / Humidity	0...50 °C / 0...80% RH
Protection Class	IP54

## Warranty and Support

.....  
*serial number*

.....  
*manufacturing date*

QC check mark .....(passed)  
*(stamp)*

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### Warranty

COMECO warrants this product to be free from defects in materials and workmanship for 2 years. If your unit is found to be defective within that time, we will promptly repair or replace it. This warranty does not cover accidental damage, wear or tear, or consequential or incidental loss. This warranty does not cover any defects caused by wrong transportation, storage, installation, or operating (see '**Specifications**').

### Technical support

In the unlikely event that you encounter a problem with your COMECO device, please call your local dealer or contact directly our support team.

## USB-TO-SERIAL INTERFACE ADAPTER

# IA250

## OPERATION MANUAL



Please read this Operation Manual before mounting and operating!  
 Save the Manual for future references!

## Overview

The interface adapter IA250 is designed to connect USB communication ports and half-duplex networks of RS485 devices or devices (transmitters) with RS232 interface. The two IA250 interfaces are optically isolated.

## Declaration of Conformity



The undersigned hereby declares, on behalf of COMECO Inc., that this device has been manufactured in compliance with standards EN 61000 and EN 61010, and meets the requirements of Directives 73/23/EEC and 89/336/EEC.

Vladimir Sakaliyski  
CEO  
COMECO Inc.

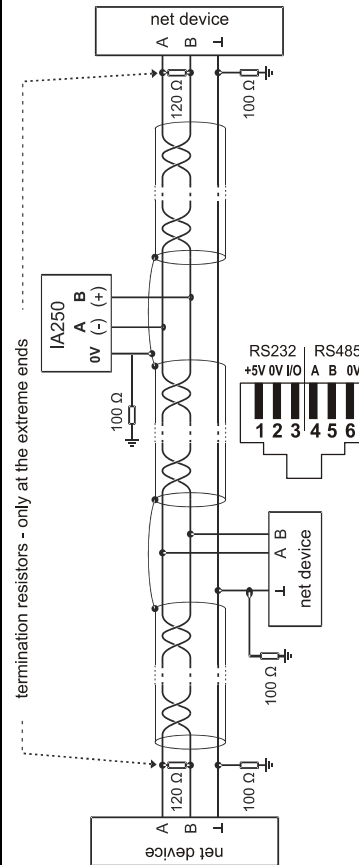
## Waste Disposal



*Do not dispose of electronic devices together with household waste material!*

If disposed of within European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive 2002/96 on the Waste Electrical and Electronic Equipment.

## Operating



### Driver installation

- ◆ Connect the adapter to USB PC port via cable K8 or an analogue.
- ◆ Wait for a prompting to install a driver to appear on the PC screen.
- ◆ Following the instructions on the screen, install the driver either from the CD provided or downloaded from [www.ftdichip.com](http://www.ftdichip.com).

### Operating with transmitters

- ◆ Connect the adapter with the transmitter through the proper cable (K1U or K2U).
- ◆ Run "TraCon" v2.0 or higher and follow its instructions.

### Operating in RS485 network

- ◆ Connect IA250 to the network using an appropriate cable, bearing in mind the locations of the signals on the RJ25 connector pin-outs.
- ◆ To build the network, adhere to the sample structure shown on the left.
- ◆ Run "PolyMonitor" program and follow its instructions.



*At the start of transmission to RS485 network, the IA250 adapter automatically switches to transmission mode.*