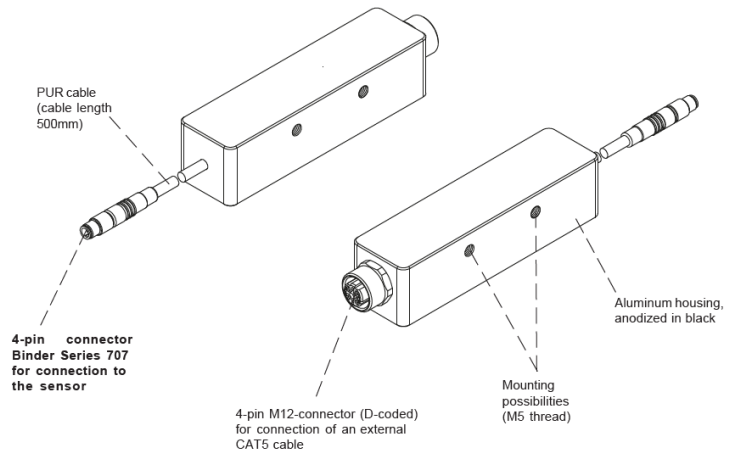


VKSI0297

- ✓ conversion RS232 / LAN
- ✓ up to 115.2k Baud
- ✓ Auto-MDI-X capable
- ✓ DHCP capable
- ✓ robust aluminum housing
- ✓ IP67



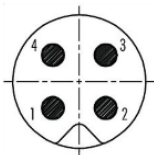
Ethernet access to e.g. color and line sensors

Technical data

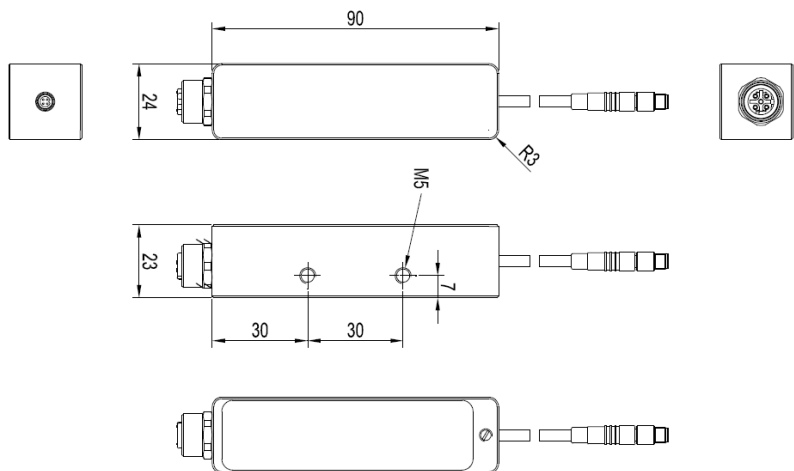
dimensions	90x23x23mm
operating voltage UB	12 ... 30V DC
current consumption (w/o load)	≤ 100mA
data rate	9.6kBd / 19.2kBd / 38.4kBd / 57.6kBd / 115.2kBd
LED colors	Ethernet: 1x LED yellow: Speed/Data, 1x LED green: Link Status: 1x LED green: Power, 1x LED red: Mode
temperature (operating)	-25 ... +65°C
degree of protection (EN 60529)	IP67
material (housing)	aluminum, black anodized
connection	RS232: cable connector M5 4pol, 500mm Ethernet: M12-socket, 4 pin, D-coded
connection accessories	e.g. VK208F25, VK508F25, VKA08F25

Connection

M5-connector, 4 pin	
Pin	Assignment
1	+24V DC
2	0V GND
3	RxD
4	TxD



Dimensional drawing



Safety warning: Never use these devices in applications where the safety of a person depends on their functionality.

Possible applications

The adapter is used to extend the existing serial interfaces of many sensors by the possibility of integration into a local network or the internet. This adapter allows to bypass the length limitation of serial cables.

A further advantage is the possibility of bundling (several sensors can be controlled from only one PC over the network) as well as the possibility of distribution (one sensor can be controlled over the whole network from different PCs).

Configuration

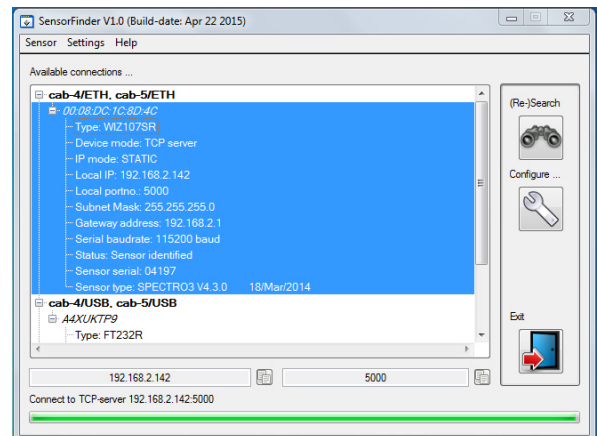
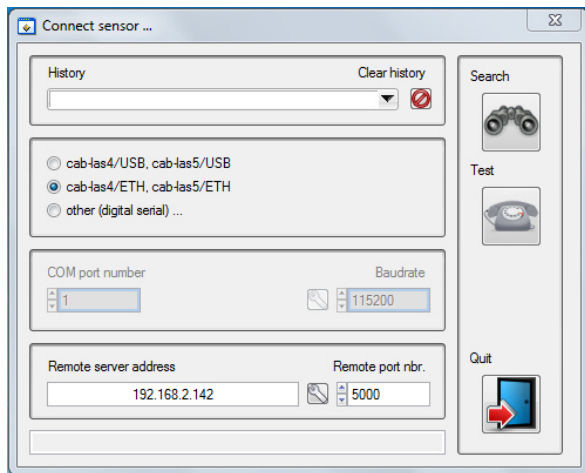
The adapter is configured once when the adapter is connected to the sensor and connected to the network.

The relevant settings, such as the adjustment of the baud rate to that of the sensor and the assignment of the IP address, can be made by the network administrator using the SensorFinder program with a comfortable user interface. The settings are retained even after a hardware reset.

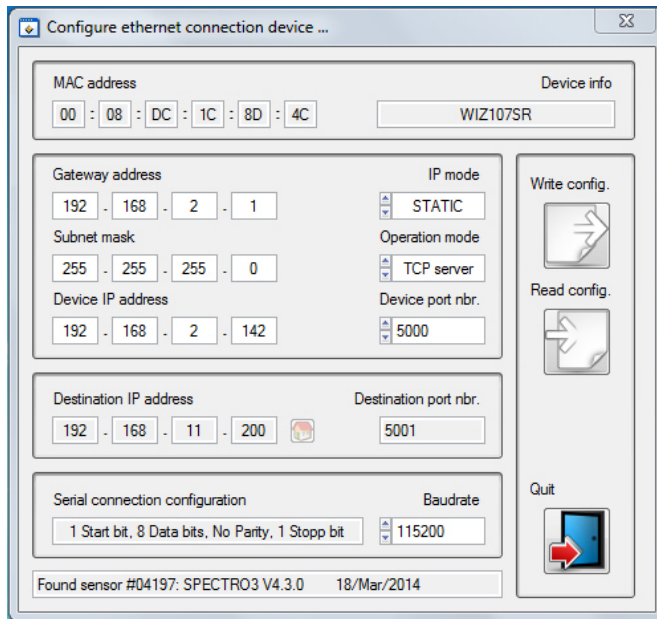
The software can be found at <https://www.ipf-electronic.de/en/service/downloads/software/>.

Software „SensorFinder“ to configure the network adapter VKSI0297

- Connect the adapter to the sensor and the network. The adapter is powered by the sensor.
- Start the software
- Use the "(Re-)Search" button to find the programming adapter.
- Start the configuration via the button "Configure"



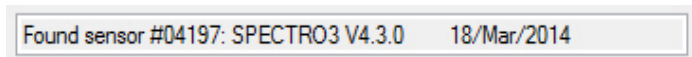
- Click on the button framed in red here, to edit configuration settings.



Use the "Read Config" button to load the configuration from the device

- Edit the configuration according to your Network settings
- Save the changed settings via the button "Write Config" in the device
- Clicken Click on the "Quit" button to go to return to main window
- In the connection window (button "Configure") you can now click on the button "Test" to check if the connection to the sensor can be established. If successful, the detected sensor is

displayed in the bar at the bottom of the window:



Parameter-Optionen

IP Mode:	DHCP: Automatically acquire device's IP from DHCP server. (Note: Use only if DHCP server is available in network segment) STATISCH: Use IP address supplied by user.
Operating mode:	TCP Server: Device operates as server, User-PC operates as client. Other options currently not supported.
Gateway address:	Enter network default gateway address. (Note: Only available in STATIC IP mode)
Subnet mask:	Enter network subnet mask (Note: Only available in STATIC IP mode)
Device IP address:	Enter device's IP address (Note: Only available in STATIC IP mode)
Device port no.:	Enter device's TCP port number (Note: Change only in case of network conflict; Default TCP port number: 5000)
Destination IPD address:	(currently not available for change)
Destination Port no.:	(currently not available for change)
Serial connection configuration:	Sensor-side serial settings (Note: currently not available for change)
Sensor baudrate:	Sensor-side serial RS232 baudrate (Note: Choose from options 9600, 19200, 38400, 57600 und 15200 baud the one matching the sensor)