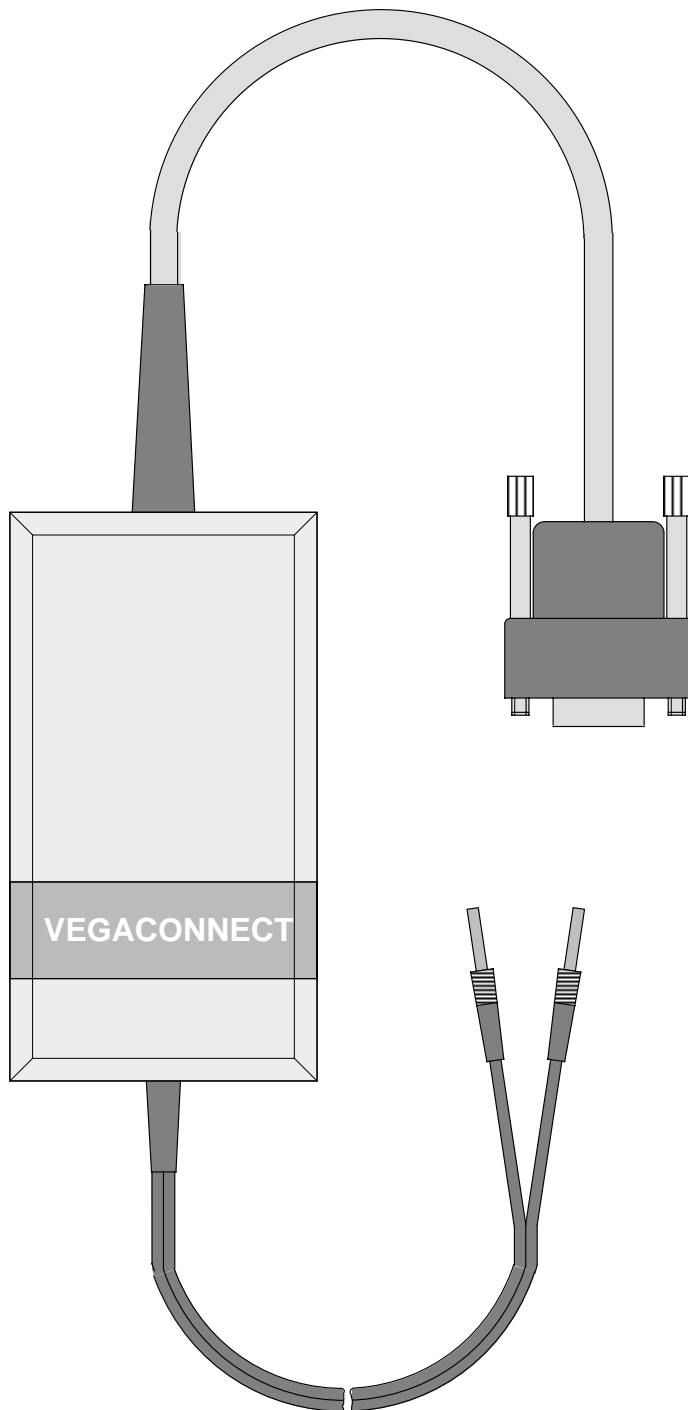
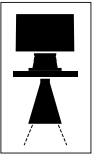
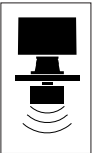


Operating Instructions



**Connection cable
(interface
converter)**



Conversion of VBUS /
DISBUS-signals to
RS 232-signals

Enables the connection of
a PC/LAPTOP

- VEGASON-sensors
(ECHOFOX®)
- VEGAPULS-sensors
(ECHOFOX®)
- Signal conditioning
instruments VEGAMET
series 500

Parameter adjustment of
sensors and signal
conditioning instruments
via the operating software
VEGA VISUAL
OPERATING

VEGA Grieshaber KG
Am Hohenstein 113
D-77761 Schiltach
Phone 0 78 36 / 50 - 0
Fax 0 78 36 / 50 201

1 Product description

VEGACONNECT connection cable is used for conversion of VEGA-specific VBUS/DISBUS-signals to standard RS 232-signals.

Via a 9-pole SUB-D plug VEGACONNECT is connected to the standard interface of an available PC/LAPTOP and via a 2 mm-plug to the CONNECT-sockets of the VEGA-instrument.

It is possible to connect the following instruments:

- ECHOFOX®-sensors
VEGASON 83 ... 87 FK/GK as well as 83 ... 87 FV/GV
- ECHOFOX®-sensors
VEGAPULS 64 DK/FK/UK as well as 64 DV/FV/UV
- Ex-Zone 10 (StEx)-version of these sensors
- Signal conditioning instrument VEGAMET serie 500

Further connection possibilities for VEGACONNECT are:

- The connection line between VBUS-sensor and signal conditioning instrument
- the 0/4 ... 20 mA-output of K (compact)-version of the sensors.

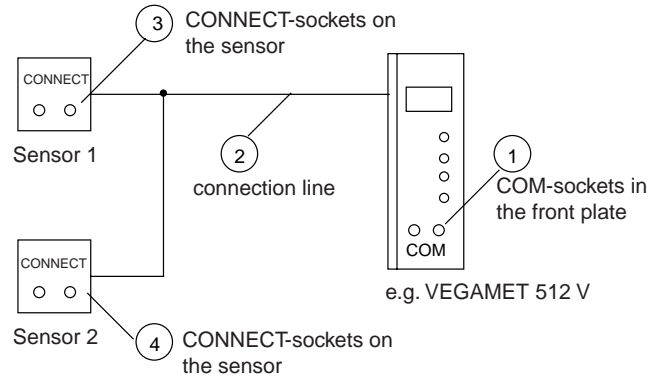
VEGACONNECT is located in a stable plastic housing and is supplied completely with connection lines and plug connections.

The power supply is realized via the RS 232-interface of PC / LAPTOP.

The operating software VEGA VISUAL OPERATING is required to operate VEGACONNECT. It is installed on PC/ LAPTOP under WINDOWS and enables a comfortable, menu guided parameter adjustment of ECHOFOX®-sensors and signal conditioning instruments of the new generation.

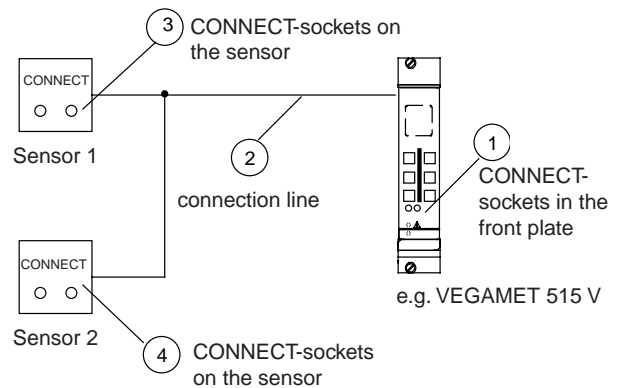
2 Connection versions

2.1 Sensor in conjunction with VEGAMET 509 V, 512 V or VEGALOG 570 with VBUS-card



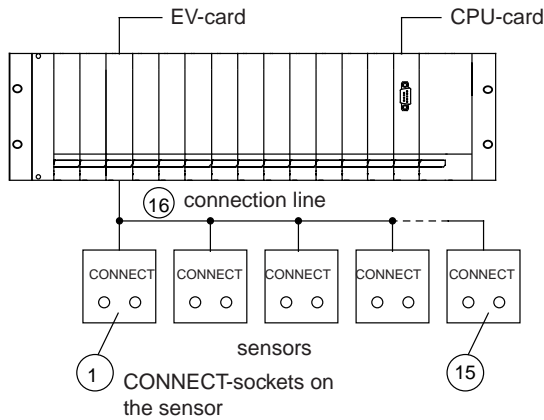
Connection points	Parameter adjustment
1	Sensor 1 Sensor 2
2	Sensor 1 Sensor 2
3	Sensor 1
4	Sensor 2

2.2 Sensor in conjunction with VEGAMET 515 V



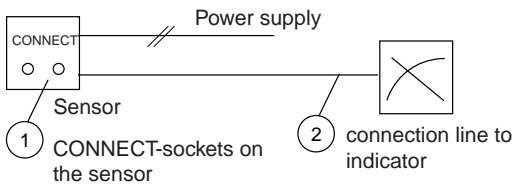
Connection points	Parameter adjustment
1	VEGAMET Sensor 1 Sensor 2
2	Sensor 1 Sensor 2
3	Sensor 1
4	Sensor 2

2.3 Sensor in conjunction with VEGALOG 571



Connection points	Parameter adjustment
1 ... 15	respective sensor
16	Sensor 1 ... 15

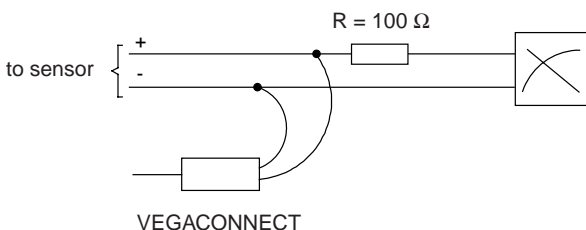
2.4 Compact and dust Ex-sensors



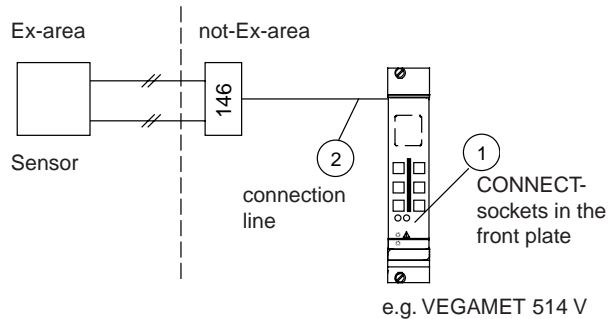
Connection points	Parameter adjustment
1	Sensor
2	Sensor

Note

A digital signal (VBUS) is additionally modulated to the 0/4 ... 20 mA-output. Acc. to the connected output (e.g. indicator) this signal is damped by the internal resistor of the output, if it is smaller than 100 Ω. For analog inputs of PLC-systems this resistor is generally ≥ 100 Ω, so that no damping is caused. In case of a low impedance indicator a load resistor of R = 100 Ω must be connected in the 0/4 ... 20 mA-line and VEGACONNECT must be connected to this resistor.

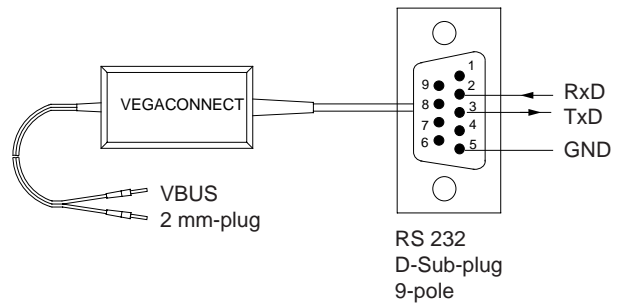


2.5 Ex-sensors with VEGAMET 509 V, 512 V, 514 V or VEGAMET 515 V



Connection points	Parameter adjustment
1	VEGAMET Sensor
2	Sensor

3 Electrical connection



4 Technical data

Power supply	from PC/LAPTOP via RS 232
Power consumption	max. 8 mA
Voltage	max. 15 V
Transmission rate	9.600 baud
Data format	8 bit (ASCII-Code)
Parity	even
Start / Stop	1 bit each
Galvanic separation	between VBUS and RS 232
Line length	RS 232 approx. 30 cm VBUS approx. 150 cm
Permissible ambient temperature	-20°C ... +60°C
Storage and transport temperature	-20°C ... +70°C
Housing material	shock-resistant Polystyrol upper part light grey lower part agate
Housing dimensions	W x H x D = approx. 100 x 52 x 30 mm
Weight	
- with connection line	approx. 200 g

VEGA

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Technical data subject to alterations

2.19 563 / Juni '95