

Cable Amplifier CA-USB

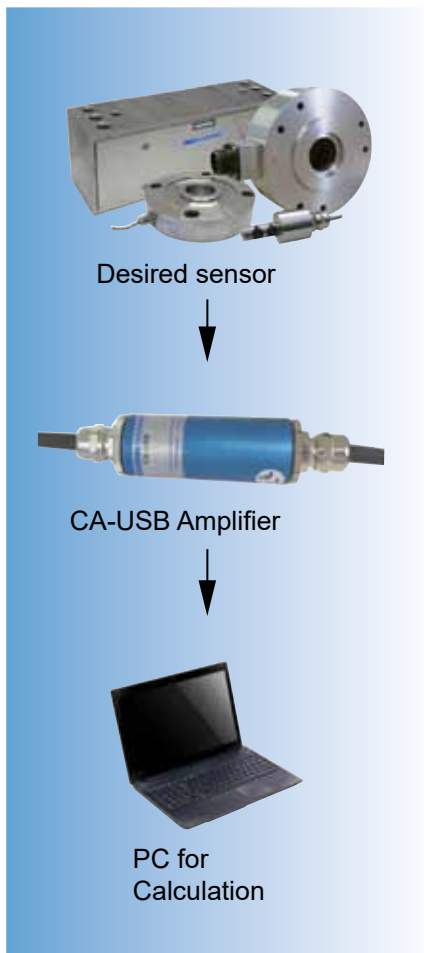
Scope of Supply

Elektronic unit in aluminum enclosure

- sensor cable fix connected to the respective sensor (Standard 1 m)
- 2 m USB cable, fixed connected
- Configuration and Calculation Software VSH-3



Easy connection



Special Features

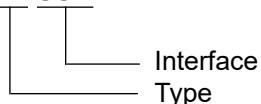
- Input range ± 3 mV/V
- Supply of the measuring system via PC USB port
- Fast measurement of up to 5000 measurements/s
- Up to 16 bit resolution
- Adjustment via software
- High level of protection IP67

The cable amplifier CA-USB is connected between sensor and PC. Analog sensor signals with a resolution of up to 16 bits are converted into digital measured values and conveniently displayed and evaluated via the included evaluation software. There is no separate power supply necessary. The sensor parameters can be stored in the measuring amplifier. After a single parameterization, each sensor is automatically recognized by the software. The measurement can be started immediately after connecting the sensor via the USB plug. With a measuring rate of 5000 measurements per second even highly dynamic measurements can be realized.

The robust metal housing with high degree of protection (IP67) allows fast mounting using a screw clamp.

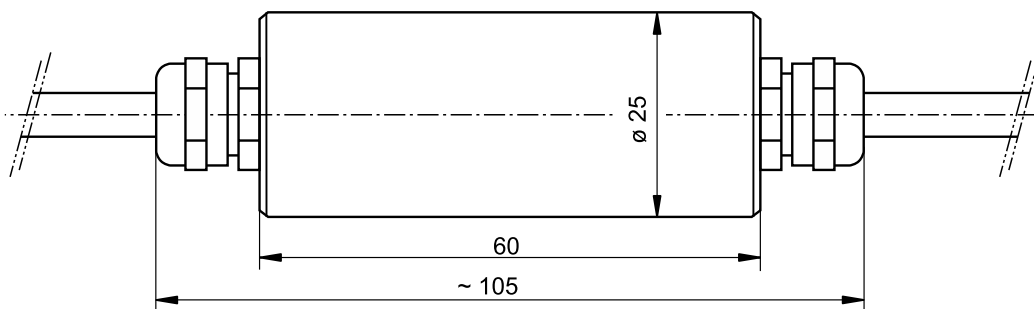
Ordering example

CA-USB



Technical Data

Supply voltage	Voltage	4...6 V DC
	Current consumption (Standard)	ca. 350 mA
Signal		± 30000 Digits $1 \text{ mV/V} \hat{=} 10000$ Digits
Sampling rate		max. 5 kHz
Resolution		16 Bit
Max. Measuring duration (depending an measuring rate)	Adjustment range 5 kHz...0,016 Hz	32 minutes...480 days
	Factory adjustment 200 Hz	2 h
Transmission rate (adjustable)		230,4 kBit/s 115,2 kBit/s
Accuracy		± 32 Digits
Lineraity		± 32 Digits
Temperature drift		4 Bit/10 K
Temperature range		0 ... 50 °C
Weight		250 g
Protection class		IP67
Analog input		
Strain gauge excitation supply	Voltage	4 V
	Current max.	20 mA
Nominal rating		0,5...3,00 mV/V



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Configuration and Evaluation Software

Configuration and evaluation software for analysis and graphical presentation on a PC. The software allows direct read-in of measured data into a text file in CSV-Format through the USB-Port of a PC. This enables further analyses with a commercially available spreadsheet program at any time.



- Conversion in physical variables
- Graphical presentation of the measured variables
- Automatic or manual storage in a CSV- and BMP-file
- Print-out of the diagram with date and definable headline
- Scaling function of the input variable to any display value with unit
- Resettable minimum value memory for any measured variable
- Resettable maximum value memory for any measured variable
- Variable average determination
- Tare for each measured value

Technical Data	
Interface	USB
Protocol	HAEHNE Standard protocol
System requirements	Windows® XP / Vista / 7 / 8 / 10 - 32/64 BitDual-Core ab 1.8 GHz (with diagram)