

COND-USB

STRAIN-GAUGE BRIDGE TO USB CONVERTER

The COND-USB converts the signal from a Wheatstone bridge (mV/V) into a USB signal.



COND-USB



Features

- o High accuracy
- o Very high resolution
- o Linearisation of transducer signal available
- o Toolkit software included
- o ABS IP50 enclosure
- o DB9 socket @ load cell side
- o Micro USB socket with 1.5 m cable

Application(s)

SENSY's COND-USB is perfectly designed for the followings applications:

- Force / torque measurement, weighing with display on computer / laptop.

Function(s)

- Scaling of output signal in measuring unit
- Easy connection to computer or PLC
- No need for additional power supply

Specifications	COND-USB	
Input range	± 3 mV/V	-
Sensor excitation	4.5...5.25 VDC	-
Non-linearity error	$\leq \pm 0.0025$	% F.S.*
Impedance of Wheatstone bridge	85...5000	ohm(s)
Baud rate	115...200 kbps	-
A/D converter	50 000...200 000 div.***	-
Protocol	ASCII	-
Bandwidth	1...100	Hz
Service temperature range	-40...+85****	°C
Temperature coefficient of the sensitivity	$\leq \pm 0.005$	% F.S./10°C
Temperature coefficient of zero signal	$\leq \pm 0.004$	% F.S./10°C
Consumption (max.)	68**	mA
Dimensions	74.5 x 51 x 20	mm
IP rating	IP50	-

*F.S. : Full Scale.

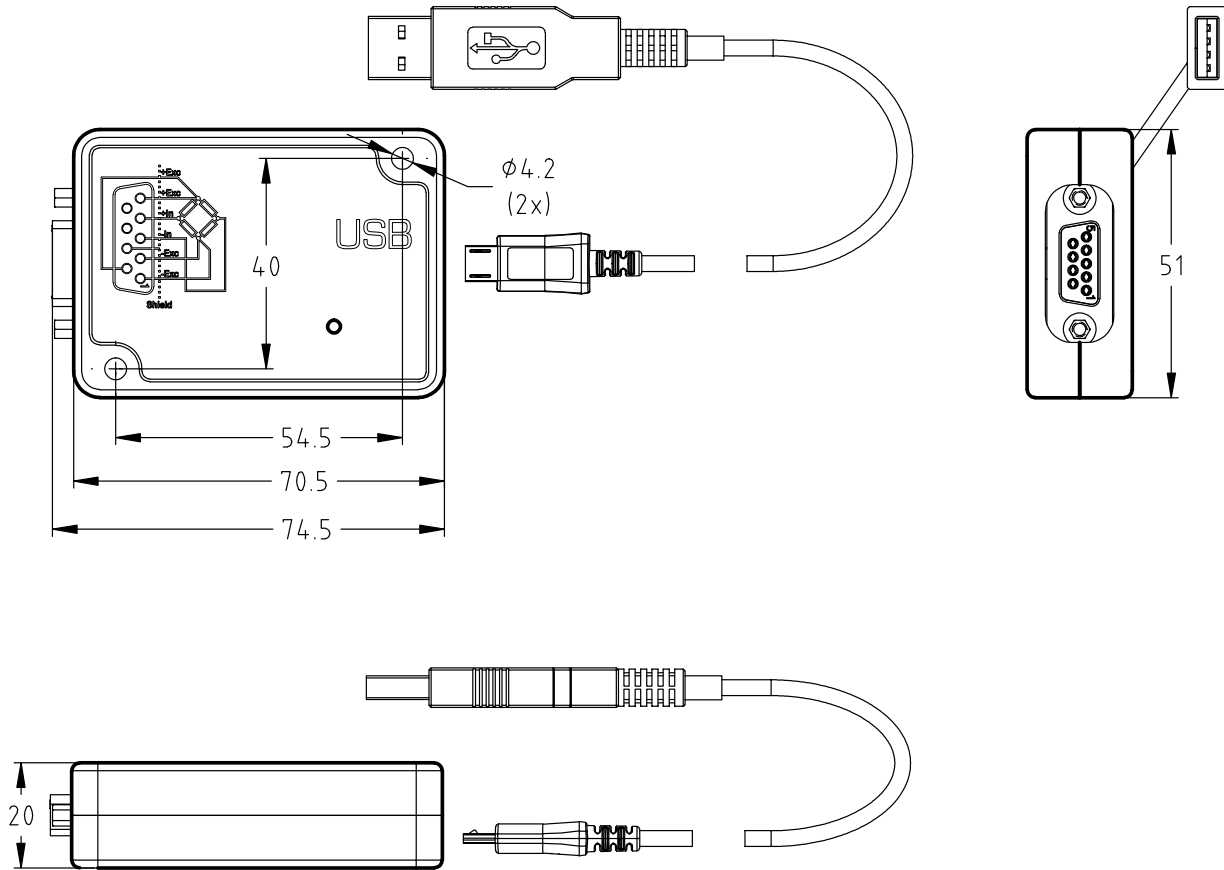
** : with Wheatstone bridge of 350 ohms.

*** : according to reading frequency.

**** : 95% relative humidity.

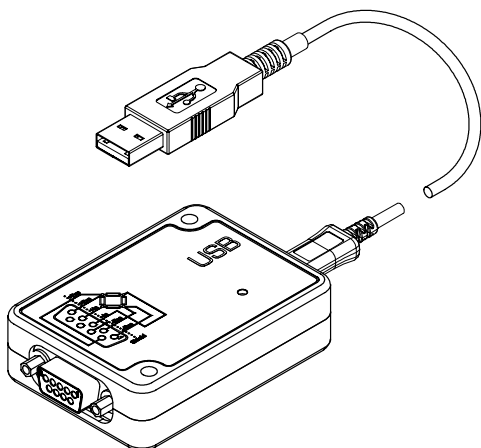
Specifications subject to change without notice.

COND-USB > STANDARD DIMENSIONS



Dimensions in mm

Other view



Terminals

