Press Release

At the MOTEK 2010, Lorenz Messtechnik GmbH introduces the new USB measuring amplifiers LCV-USB2 and the measuring & evaluation software LCV-USB-VS2.

New comfortable Measuring & Evaluation Software for "Plug and Play" Measuring Amplifiers of second Generation.

You have a sensor and want to capture a physical size with little effort? We have the solution: a universal measuring amplifier with tension or current input which is connected to a PC by USB. The current supply of the different sensors occurs in variable form directly from the LCV-USB2, which is supplied through the USB-connection from the PC. With the free and easy to operate measuring & evaluation software LCV-US-VS2, the measurement tasks can be accomplished fast and comfortable.
Now, the user can immediately concentrate on the measurement task. As system requirement a standard PC on which the software is installed is sufficient. Plug and Play means that the sensor parameters are recognized automatically by the software via measuring amplifiers, thus no additional settings are necessary.
http://www.lorenz-sensors.com/english/news.php

Alfdorf, July 2010 the goal of the second USB measuring amplifier generation LCV-USB2 is to completely relieve the user from the measurement device configuration. This was achieved by systematic further development of the existent measuring amplifiers. The previous settings which get read-out for the configuration of the measuring software automatically are stored in the new measuring amplifier LCV-USB2. The sensor connection designed according to the plug and play principle does not require any user settings. Thus, the concept of operation of the supplied software was arranged simply and clearly. Also, various setting options for the user, as for example digital filters, are available as a matter of course. As a display and evaluation unit, a standard PC with USB connection, which is also used for the current supply of the sensor, is sufficient.
The supplied software contains the graphical and the digital representation of the measured values in relation to the time or one of the measured input variables.

For a certain input variable (tension or current signal) for each input channel, the user can store an arbitrary change of scaling onto the respective physical size with own definition of the unit in the measuring amplifier LCV-USB2. The measurement result can be documented in two ways: the measurement can be stored in the graph as a picture in a bitmap file or the measured values can be exported into a CSV-file in tabular form.
Outlook: At the end of this year, a two-channel measuring amplifier "SI-USB" will be introduced. In this way, in co-operation with the software LCV-USB-V2, two physical sizes can be captured exactly time-synchronously.

About us:
Since 1985, Lorenz Messtechnik GmbH has been manufacturing sensors as well as system solutions for the measurement of force, torque and mass. The product portfolio is rounded by test equipment for development, manufacturing and quality assurance as complete solutions according customer requirements.

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LCV-USB-VS2

Measuring &
Evaluation Software

- 5000 Measurements/sec
- Automatic configuration to the sensor
- Storage function of the measured values as CSV-file
- Graph can be stored as a bitmap-file
- Change of scaling to an arbitrary physical size possible
- Additional digital input (e.g. for triggering, position detection)

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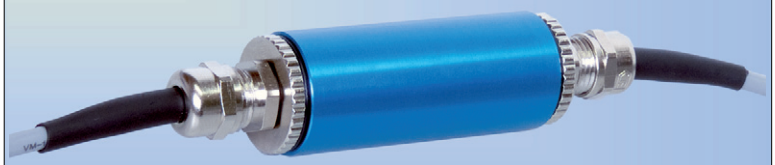
USB

LCV-USB2



Amplifier

Sensor-
connection

Sensor

Signals:	± 12 mV	Excitation:	+ 5 V
	± 5 V		+12 V
	0/4 .. 20 mA		

Torque Sensors

Load Cells

Force Transducers

Other Sensor Systems:

- Temperature Sensor
- Pressure Sensor
- Displacement Sensor (potentiometric)
- Hygrometer
- ...