USB Sensor Interface
For strain gauge, potentiometric, DC/DC and Pt100 sensors
Model 9206

Description
The USB sensor interface takes its supply from the connected PC via the USB port, and uses it to generate the power supply for the sensors. The initial settings and sensor settings are made by burster in-house and saved in the USB sensor interface. These can then be fine-tuned by the customer.

Software provides display and archiving functions. But a license key enables an open-end expansion. 32 interfaces output curves may be displayed at the same time. One USB sensor interface can be connected as standard. Each sensor can be tared individually, and measurement curves can be displayed jointly or separately in a graph. We can configure the interface to suit a specific sensor, although customer-specific parameters can be changed using the free analysis software supplied.

The connection to LabVIEW or the integration into customers’ software is enabled by a free driver package.

Application
In the field there is a frequent need to measure sensor readings rapidly and easily right at the sensor and to transfer them directly to a PC without additional amplifiers or converters. The 9206 USB sensor interface can satisfy this requirement admirably, thanks to its „plug & measure“ design. The USB connection means installation could not be simpler.

Typical applications:
- Mobile test measurements via laptop
- Laboratory test set-ups
- Instrumentation and control
- Diagnostic measurements in the chemical industry
- PC-based recording of expansion figures in bio engineering

NEW
Accuracy 0.01 % F.S.
with DAkkS certificate for strain gauge input

NEW
Evaluation software DigiVision administrates up to 32 measuring channels with mathematical functions

Inexpensive "Plug & Measure" design
Simple connection via PC USB port
24 bit resolution
High-speed measurement of up to 1200 readings/sec.
Convenient configuration and analysis software DigiVision
Pt100 as option
LabVIEW and DLL drivers free of charge
Integration in customer-owned software
6 wire technology for the highest precision
Software DigiVision
System requirement: Windows XP, Vista, Win7

Order Code
USB-Sensor-Interface 9206-V

<table>
<thead>
<tr>
<th>Sensor1</th>
<th>Sensor2</th>
<th>Sensor3</th>
<th>Sensor4</th>
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<tbody>
<tr>
<td>x</td>
<td>0</td>
<td>0</td>
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- IP67 tube housing
- IP40 tube housing with 12 pin connector for sensors
- Strain gauge, Poti, DC/DC
- Pt100

9206-V3xxx including measurement and analysis software 9206-P001

USB multi sensor interface - in housing

- unoccupied 0
- Strain gauge, Poti, DC/DC
- Pt100

9206-V3xxx including measurement and analysis software 9206-P100

Order Information
An example for ordering a desktop case version
Desktop case version with 2 USB sensor interfaces for strain gauge sensors and 2 USB sensor interfaces for Pt100 sensors. The software DigiVision 9206-P100 is included Model 9206-V31122

Adjustment of a measurement chain 92ABG
Consisting of sensor and USB sensor interface

Accessories
Configuration and evaluation software DigiVision for 1 channel measurement and 200 measurements/sec. (included in scope of delivery) Model 9206-P001
Configuration and evaluation software DigiVision for multi-channel measurement. The software can display up to 16 USB Sensor Interfaces parallelly. Up to 1200 meas./sec. are possible, no mathematic functions or calculation Model 9206-P100
Configuration and evaluation software DigiVision for multi-channel (displays up to 32 measurement curves at the same time) and measurement, up to 1200 meas./sec. possible. Measurement results can be offset against each other via freely programmable mathematic measuring channels. Model 9206-P200
Connecting cable, 12 pin female connector one end open for 9206-V000x Model 99540-000A-0150002
Connecting cable, 9 pin Sub-D female connector one end open for 9206-V000x Model 99609-000E-0150002
DAAkKs certificate for the DMS measurement range of the 9206-V03xxx-H, for 1 measuring channel, for the option of the accuracy of 0.01% F.S. Model 92DKD-9206-V3H
DigiVision Configuration and Analysis Software

General Software Data

- Convenient device finder
- Instrument parameterization
- Instrument data adopted automatically, e.g. scaling, limit settings
- Back-up function for instrument data
- Simultaneous display of up to 16 measurement channels
- Different measurement rates can be combined
- Different triggers can be set: global or channel-specific
- Creation of instrument groups
- Report finder for locating group reports and individual reports
- Documenting individual measurement curves with various options e.g. serial number, batch counter, day counter

Export function to Excel
Communication with a controller unit (PLC etc.) via RS232 or Ethernet

Software DigiVision P001

- 1 interface with up to 200 meas/s

Software DigiVision P100

- max. 16 channels with up to 1200 meas/s
Software DigiVision 9206-P200

- Intuitive operation
- Easy-going configuration the interfaces
- Measurement rate up to 1200 meas./sec. for every channel
- Up to 32 measurements at the same time
- Storage of measurement protocols
- Data export in Excel
- Free mathematical measuring channels

Typical Applications

- Differential measurements
- Averaging of the measurement results
- Determination of efficiency in engine test

- Determine mass moment of inertia
- Determine the frictional force
- Comparison of different measurement readings