

## Universal pressure measurement system with fast recording time



**INNOVATION FOR  
PRESSURE MEASUREMENTS**

### GDUSB 1000

Full set incl. software for high-speed live measurement data logging  
GDUSB FastView

#### Applications:

- Test rigs and laboratory experiments
- Detection of pressure peaks
- Monitoring system pressure curves e.g. for process technology, engineering, etc.
- Live and offline displaying of measuring data of several GDUSB 1000 e.g. for data evaluation and logging, for optimization of processes and other statistics
- Multi-channel measurements with high recoding rate
- Test setups or on-site recordings with GDUSB 1000

#### Functions:

The GDUSB 1000 adapter allows to connect a standard pressure sensor of type GMSD / MSD directly to the USB interface of a PC. It provides 4 channels, i.e. currently measured value, average value, max and min value. There are two operation modes:

#### Fast mode:

A GDUSB 1000 in fast mode can output up to 1000 measured values per second. The provided software displays the data and records for later usage. The software can be configured to start or stop the recording with several selectable trigger conditions

#### Standard mode:

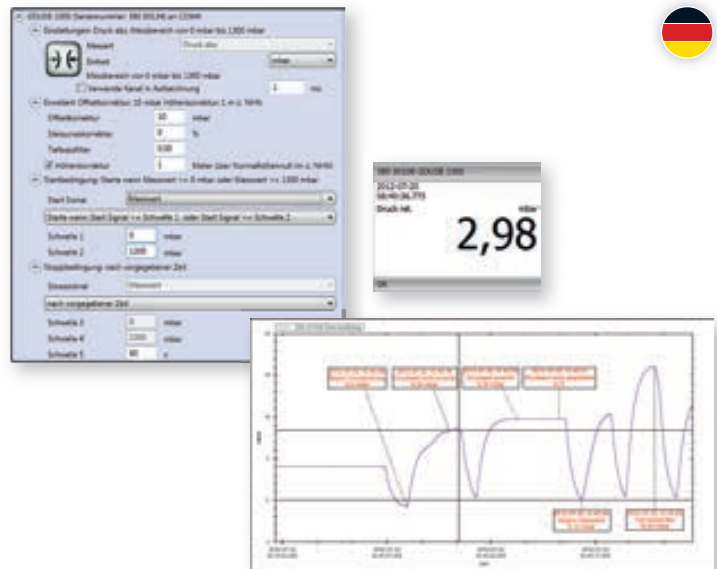
A GDUSB 1000 in standard mode can be responded similarly to GMH handheld devices or EASYBus modules (up to 32 measurements per second). Then a long term recording can be archived with the software EBS 20M / EBS 60M (2 measurements per second).

#### Specification:

|  |  |
|--|--|
| <b>Measuring ranges:</b>   | depends on connected sensor  |
| <b>Max. range:</b>   | -19999 ... +19999 digit  |
| <b>Pressure units:</b>   | mbar, bar, Pa, kPa, MPa, mmHg, PSI, mH <sub>2</sub> O, selectable, depending on connected sensor |
| <b>Measuring rate:</b>   | 1000 measurements / s (= 1 ms)   |
| <b>Accuracy:</b>   | ±0.2 % FS (at nominal temperature = 25 °C)   |
| <b>Recording interval:</b>   | 1 ms (FAST mode) ... 10 s, adjustable via software   |
| <b>Connections:</b>  |  |
| <b>PC:</b>   | standard USB plug (type A)   |
| <b>GMSD/MSD:</b>   | 6-pole screened mini-DIN socket with locking   |
| <b>Power supply:</b>   | supplied by USB interface  |
| <b>Dimensions:</b>   | 56 x 31 x 24 mm  |
| <b>Cable length (USB):</b>   | approx. 20 cm  |
| <i>Suitable GMSD/MSD sensors for GDUSB 1000 are at page 62/63.</i> |  |

#### HIGHLIGHTS:

- suitable for all GMSD and MSD pressure sensors
- 1000 measurements per second
- complete package incl. software for up-to-date Windows systems
- live display before and live diagram display
- simultaneous support of several GDUSB 1000
- 4 measuring channels (display value, min-, max- value and average)



### GDUSB FastView

Software for high-speed live measurement data logging of fast pressure measurements

#### General:

- Several GDUSB 1000 usable at one PC at the same time
- Measuring rates up to 1000 measurements per second
- Live display with current value and measurement diagram, even for highest measuring rates
- Different measuring rates for each sensor selectable
- Safe storage of measurement and sensor data in a SQL based data base
- Fast diagram display
- Comment function for measured values
- Data export as CSV file and as picture
- Multi-language software (German, English, French, Italian, Czech)
- 32-bit or 64-bit application

#### System requirements:

1GHz CPU, 1GB RAM, 100 MB HDD, 1 available USB Port  
Microsoft Windows 7 SP1 (32 or 64 bit)  
Microsoft Windows 8 (32 or 64 bit)  
(executable from Windows XP SP3, not executable with Windows RT, ARM or Intel Itanium based Windows systems)

*This software uses open-source components under LGPL conditions.  
The license terms of this software provide further information.*