

## UNIVERSAL PRESSURE MEASUREMENT SYSTEM



1000 LIVE MEASUREMENTS PER SECOND

SAME SENSORS AS FOR HANDHELD GMH 3151 CAN BE USED



### HIGHLIGHTS:

- Complete package including software for current MS-Windows Version
- Live display and live curve display

### GDUSB 1000

Item No. 600271

Complete package for high-speed live measurement data acquisition for MSD/GMSD sensors including high-speed live measurement data acquisition software GDUSB FastView

#### GENERAL:

The GDUSB 1000 adapter enables a standard pressure sensor of the type GMSD/MSD to be connected directly to the USB interface of a PC. The adapter provides 4 channels, i.e. current measured value, mean value, maximum and minimum value. In addition, the device has two operating modes:

#### Fast mode:

Up to 1000 readings per second. The supplied software displays the data and saves it for further processing at a later date. The software can start and stop the recording under various adjustable trigger conditions.

#### Standard mode:

Up to 32 readings per second. Similar to a GMH portable instrument or EASYBus device, using the EBS 20M/EBS 60M software then offers the option of long-term recording (2 measured values per second).

#### APPLICATIONS:

- Test rigs and laboratory experiments
- Detection of pressure peaks
- Checking of operating pressure curves, for example in process technology, in machine and plant construction
- Live display of the measured values of several GDUSB 1000
- Data evaluation and logging for process optimization or for statistics
- Multi-channel measurements with a high recording rate
- Measurement setups or on-site recording with GDUSB 1000

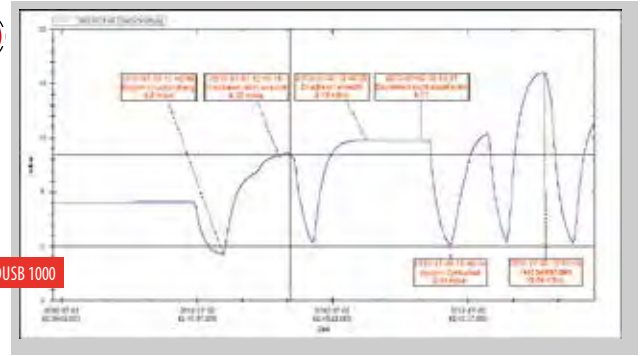
#### TECHNICAL SPECIFICATIONS:

Measuring range:	according to connected sensor
Max. Range:	-19999 .. + 19999 digit
Pressure units:	mbar, bar, Pa, kPa, MPa, mmHg, PSI, mH <sub>2</sub> O, switchable, depending on the sensor used
Measuring rate:	1000 measurements/s (= 1 ms)
Accuracy:	± 0.2 % FS (at nominal temperature = 25 °C)
Recording interval:	1 ms (with fast mode) .. 10 s adjustable via software
<b>Connections</b>	
PC:	standard USB plug (USB type A)
GMSD/MSD:	6-pole shielded mini-DIN socket with locking
Supply voltage:	is supplied from the USB interface
Dimensions:	56 x 31 x 24 mm
Cable length (USB):	about 20 cm
Weight:	39 g (device only)
Scope of delivery:	device, operating instructions, software and driver CD

## HIGH-SPEED DATA ACQUISITION



FOR GDUSB 1000



### GDUSB FastView

The high speed live measurement data acquisition software for fast pressure measurements.

#### FUNCTIONS:

- Several GDUSB 1000 can be used at the same time on one PC
- Measurement rates with up to 1000 measurements per second
- Live display as digital value and measurement curve, even at the highest measuring rates
- Different measuring rates can be set for each sensor
- Secure storage of measurement and sensor data in an SQL-based database
- Fast diagram display
- Comment function for measuring points
- Data export as a CSV file and as an image
- Multilingual software in German, English, French, Italian and Czech
- 32-bit or 64-bit application

#### SYSTEM REQUIREMENTS:

1 GHz CPU, 1 GB RAM, 100 MB HDD, 1 free USB port  
Microsoft Windows 7 SP1 or higher (32 or 64 bit)  
(cannot run under Windows RT, on ARM or Intel Itanium based Windows systems)

*This software uses open source components according to the LGPL.  
For more details, please refer to the license terms of the software.*

## ACCESSORIES

### ACCESSORIES OR SPARE PARTS:

#### GMSD ...

Pressure sensors with plastic tube connections for Ø 6mm tubes

#### MSD ...

Stainless steel pressure sensors  
Application:  
air, aggressive gases for over / under and relative pressure measurement

#### MSD-K31

Item No. 600657

Connection cable for MSD sensor to GMH 31xx, 1 m

