



# **VOLTCRAFT®**

## **VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY**

“For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

# **DL-160S** **SOUND PRESSURE** **DATA LOGGER**

**Nº 10 00 32**

**CE**

VERSION 07/09

The device is suitable for measuring the sound level in decibels (dB) and meets the requirements in accordance with EN 61672-1. The unit is a Class 2 device for general field investigations such as performance measurements. The measuring ranges can be adjusted or calibrated. Measurements range between frequencies of 31.5 Hz to 8 KHz and sound levels of 30 to 130 dB. Two measuring modes (average value/peak level), two frequency value filters (A/C) and two time evaluations (fast/slow) can be preselected and used in any situation. The sound level that is measured can be displayed simultaneously on the computer or it can be saved on the data logger for later evaluation. The measurements can be started automatically or manually. The power is supplied with one 3.6 V, type 1/2 AA lithium battery or optional power supply (can be ordered with item no. 51 83 70). Using the optional power supply unit requires a USB adapter (can be ordered as item no. 51 31 89).

## **HIGHLIGHTS**

**Data storage or direct realtime processing //**

**Measurement range 30 to 130 dB A/C //**

**Can be calibrated via software //**

**F/S time analysis (fast/slow) //**

**Min./Max. storage //**

**Accuracy  $\pm 1.4$  dB //**

**A/C analysis //**

**USB port //**

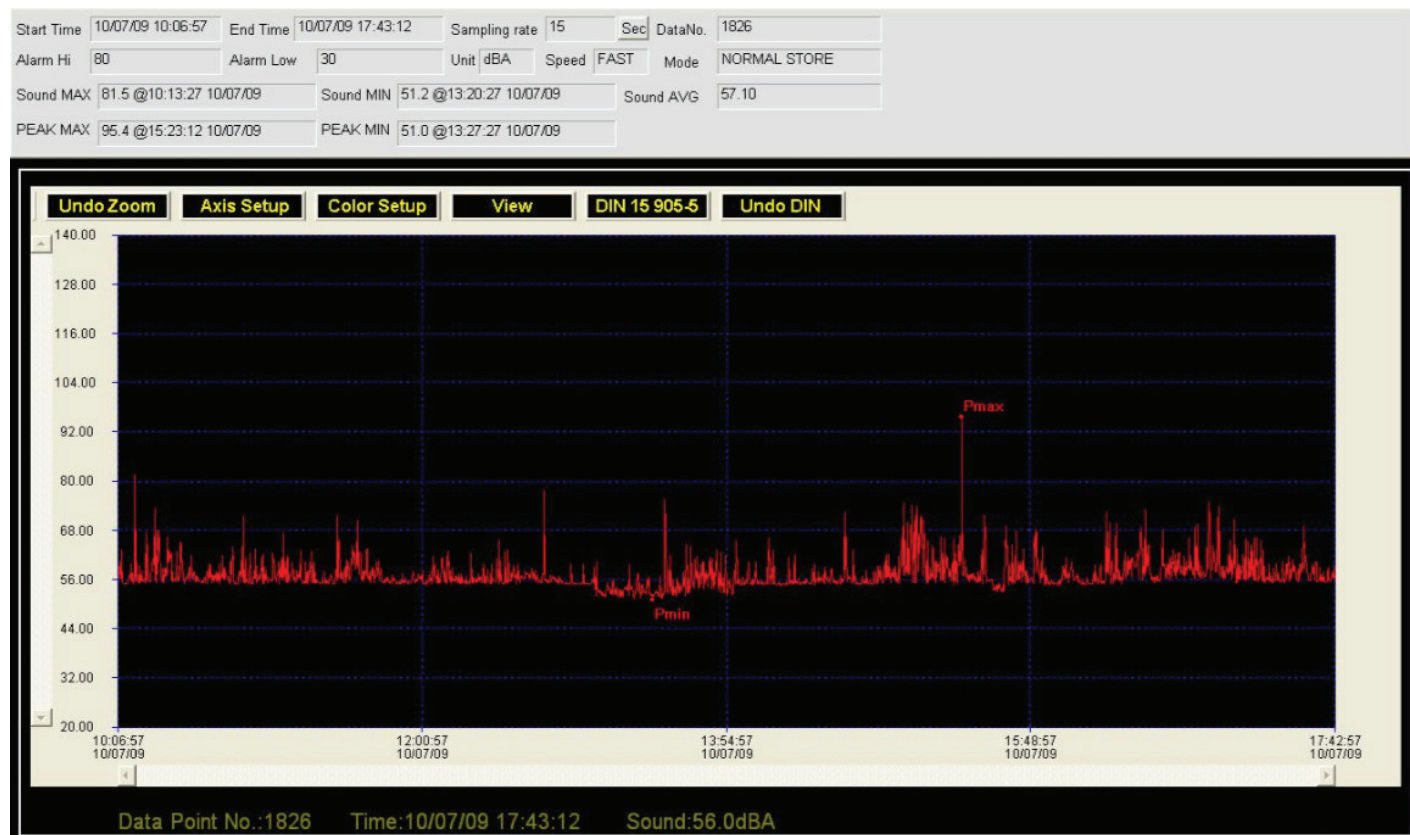


# GENERAL SPECIFICATIONS

**RESPONSE TIME:** 125/1000 ms // **FREQUENCY RANGE:** 31.5 - 8000 Hz // **ACCURACY:** ± 1.4 dB (1 kHz) //  
**POWER SUPPLY:** 3.6 V lithium battery ½ AA // **SOUND PRESSURE RESOLUTION:** 0.1 dB //  
**MEASURING RATE:** 1 sec. - 24 hrs. // **SOUND PRESSURE MEASUREMENT RANGE:** 30 - 130 dB //  
**WEIGHT:** 77 g // **DIMENSIONS (W X H X D):** 140 X 25 X 30 mm

# TECHNICAL DATA

Observed standards:	IEC 61672-1 Class 2
Max. current consumption:	5.5 mA
Volume range:	50 dB
Frequency weighting:	A and C
Microphone:	1,27 cm (1/2") electret condenser microphone
Operating altitude:	≤ 2000 m
Operating temperature:	0 °C to 40 °C
Storage temperature:	-10 °C to 60 °C
Rel. air humidity:	≤ 90 % (Operation) 10 % bis 75 % (Storage)
System requirements:	Microsoft® Windows 2000, XP or Vista™



Example of a sound level graph - displayed in the provided software "Sound Datalogger"

This data sheet is published by Voltcraft®,  
 Lindenweg 15, D-92242 Hirschau/ Germany, Phone +49 180 586 582 7. The data sheet reflects the current technical specifications at time of print. We reserve the right to change the technical or physical specifications.