

Applications

- Dedicated instrument for the noise exposure measurement of workers in the workplace
- Ideal for workers with a high mobility index in the workplace

User friendly

- All parameters are measured at the same time: Pa^2h , L_{Aeq} , $L_{Aeqd} = L_{EX,8h}$, L_{Cpeak} and measurement duration
- Measure range 70 – 140dB

Features

- Dosimeter according to IEC 61252, IEC 60804 and DIRECTIVE 2003/10/EC
- Keyboard with protection KEY
- Lapel Microphone adaptable to helmets and hearing protectors
- Tripod bracket and fastening peg
- Software application to retrieve all measured parameters to a PC computer

The protection of employees at their work place is an issue for which CESVA provides simple, practical and effective solutions. The **DC-11** sound exposure meter is a pocket device that allows you to measure the noise dose to which people are exposed. The software supplied with the **DC-11** is a global solution to problems of noise in the work environment, offering the possibility of measuring and analysing the noise dose and devising hearing protection plans for employees.

The **DC-11** sound exposure meter is the ideal instrument for measuring exposure to noise in both personal (employee protection) and environmental situations.

The **DC-11** is a compact pocket instrument equipped with a microphone complete with fastening peg. Like all CESVA instruments, the **DC-11** performs all its functions simultaneously, the results of which are visualised on the LCD screen once measurements have been taken.

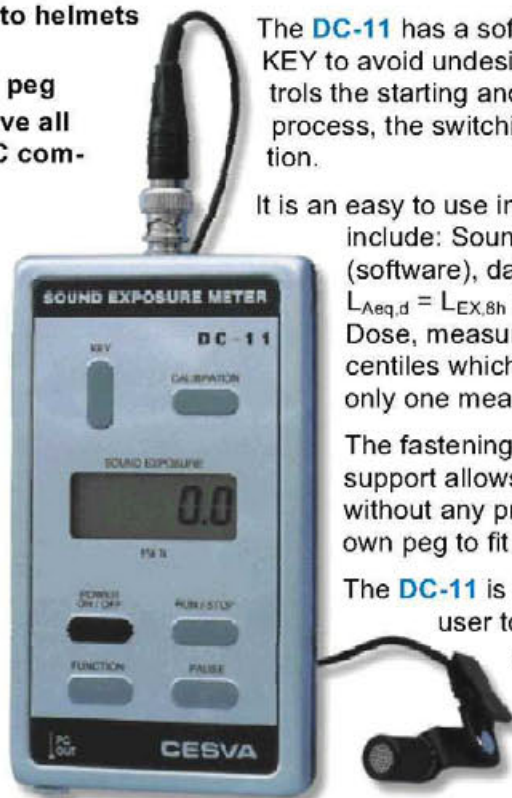
The **DC-11** has a soft touch keyboard with protection KEY to avoid undesired manipulations. This key controls the starting and pausing of the measurement process, the switching on of the **DC-11** and its calibration.

It is an easy to use instrument and the measured results include: Sound exposure $E_{A,T}$ (Pa^2h), L_{Aeq} (software), daily equivalent continuous level $L_{Aeq,d} = L_{EX,8h}$ Peak level L_{Cpeak} , Noise dose Dose, measurement duration (hh:mm) and percentiles which are measured simultaneously in only one measurement process.

The fastening peg of the **DC-11** and its tripod support allows you to use it wherever you want without any problem. The microphone has its own peg to fit in any helmet or additive protector.

The **DC-11** is supplied with software allowing the user to transmit data from the sound exposure meter to a PC computer.

This software displays the results of the measurements both graphically and numerically, making it easy and convenient to devise employee protection plans.



Standards

It complies with the following standards:

- IEC 61252:1993
- EN 60804:1985 (A1:1989 A2:1993) type 2
- DIRECTIVE 2003/10/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 February 2003 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (noise)
- **CE** . Mark. Complies with the 73/23/EEC low tension standards and EMC 89/336/EEC amended by 93/68/EEC.

Measure range

Time:	00:00-99:59	hh:mm
Sound Exposure ($E_{A,T}$):	0 – 999,9	Pa ² h
Sound Pressure Level:	70-130,0	dB (A)
Daily equivalent continuous level ($L_{Aeq,d} = L_{EX,8h}$):	0,1-999,9	dB (A)
Peak (L_{Cpeak}):	100-140	dB (C)
Noise Dose:	0,1-315	per one
Calibration ($L_{Aeq,1''}$):	without lower limit up to 130 dB	

Memory

Built-in memory, where the results of the last measurement are stored, even without the 9V battery.

Keyboard

Six key soft touch keyboard with protection KEY to avoid undesired manipulations.

Display

LCD, of 4 digits with battery flat and overload (>140 dB) indicators.

Microphone

- Model **CESVA** P-06: Prepolarized condenser microphone with built-in preamplifier (lapel microphone with adjustable peg). Equivalent Impedance: 1000 Ω . Nominal Sensitivity: 9 mV/Pa. Cable length: 1 m.

Influence of temperature

Operation Range:	0 to +40 °C
Storage without batteries:	-20 to +60 °C

Influence of humidity

Operation Range:	30 a +90 %
Storage without batteries:	<93 %

Influence of standing pressure

Operation range	96,2 a 106,4 kPa
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Influence of magnetic fields

In a 80 A/m magnetic field at 50 Hz the operation is not allowed

Battery

One 9-volt battery type 6LF22. Battery life with continued use: Alkaline: 33 hours

Dimensions and weight

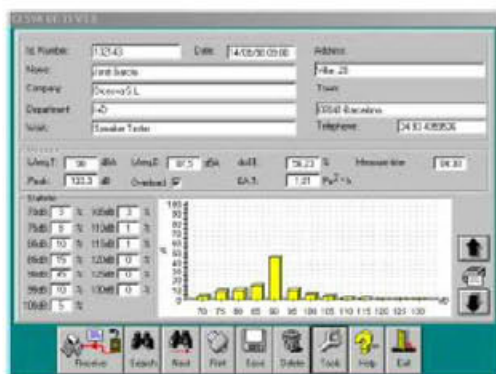
Dimensions:	144x82x23 mm
Weight with battery:	400 g
Weight without battery:	345 g

Supplied accessories

FNS011	Case
PVM05	Windsreen
SFT011	Program for PC
CN011	Cable for connecting to a PC 9-volt battery

Optional accessories

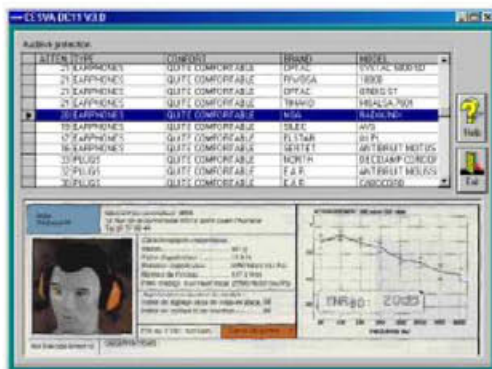
CB-5	Sound calibrator
TR-40	Tripod (height 1.1 m)
TR050	Tripod (height 1.55 m)
ML-50	Transporting briefcase (49 x 36 x 14 cm)
ML-10	Transporting briefcase (30 x 38 x 8 cm)
A-200	AC adapter 230 v to 9 v
A-100	Battery converter 12 v to 9 v
CN-USB	serial-USB Converter cable



Data retrieval



Driver to develop personal hearing protection plans



Hearing protection database

The **DC-11** sound exposure meter is supplied with a software application to obtain the data measured by the meter and analyse it in detail. The application is characterised by simplicity and easy use.

The software includes a driver to develop hearing protection programmes for employees. This option allows you to devise the most suitable plan on the basis of the data obtained by the **DC-11**. Furthermore, it contains an extensive data base of hearing protectors .

This software application runs under Windows 9x/Me/2000/NT/XP.



The characteristics, technical specifications and accessories may vary without prior notice