

# 710B

## Personal Noise Dosemeter

# CR

### Features

- **Dual Range Personal Noise Exposure Meter**
- **Storage of measurement results**
- **Standard measurements include  $L_{Aeq,T}$ ,  $L_{EP,d}$ , Peak(C), % Dose, Exposure in Pa<sup>2</sup>h**
- **Twin channel measurement with 'A' weighting for channel 1 and Peak(C) for channel 2**
- **Long battery life**
- **Robust Metal Case**
- **Real time clock & calendar**

### Overview

The CR:710B is an advanced Personal Noise Exposure Meter, or Dosemeter. The measurement functions that are provided by the instrument have been designed to meet the requirement of industrial Noise at Work regulations and standards such as the EC Directive 86/188/EC.

The design of the CR:710B allows it to be carried in a pocket or on a belt with the microphone mounted close to the ear. The case is made from metal which provides greater protection from damage than instruments with plastic cases.

The CR:710B stores a single measurement, which is stored in the instrument, and can be either downloaded to a PC or the results viewed on the instrument display. The unit also stores the current set-up and calibration information which is important when producing a report of a measurement. The measurement can be as long as is required by the operator. When the measurement has been completed, the operator can review the measurements by pressing the functions on the keypad. The standard configuration provides the following measurements: Measurement Duration, Peak(C), Maximum Sound Level, % Dose,  $L_{EP,d}$ ,  $L_{Aeq}$



# CR:710B

## Specification.

Standardisation		
	IEC 60651:1979	Type 2
	IEC 60804:1985	Type 2
Microphone Type	½" Pre-polarised Electret Condenser	
Measurement Range	30dB(A) to 100dB(A) Lo Range 60dB(A) to 130dB(A) Hi Range 143dB(C) Peak	
Weighting	Time Frequency	'F' (Fast), 'S' (Slow) 'A' for SPL & Leq, 'C' for Peak
Measurement Storage	1 Event	
Display	3 ½ Digit LCD	
Display Functions	Defined by Keypad Functions	
Display Flags	Batt, Run, OL, %, dB, Pa <sup>2</sup> h	
Power	9v 6F22 (NEDA 1604)	
Temperature	-10°C to +50°C Operating	
Dimensions	150mm x 75mm x 25mm	
Weight	300 gms	
Output	RS232 via Mini Din Socket	
Software Support	700Setup for Windows Download & Configuration Software	

The CR:710B Noise Exposure Meter is supplied with the following accessories:

ZL:700 RS232 Download Cable  
700Setup for Windows Configuration & Download Software  
Operating Manual  
Certificate of Calibration

## Notes

The CR:710B is a member of the CR:700B Series of Sound Level Meters and Personal Noise Dosemeters

For full details compatible software programs and instruments, please contact Cirrus Research plc or your local representative.



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