REED INSTRUMENTS

Noise Dosimeter
Model R8085

TRACEABLE CERTIFICATION AVAILABLE!

1 YEAR WARRANTY

TECHNICAL DATA

Features

- Noise Dosimeter, Sound Level Meter and Data Logger
- High accuracy of ±1.0dB meets Type 2 standards
- Designed to meet noise survey requirements in compliance with OSHA and CCOHS regulations
- Personal sound exposure meets IEC 61252, ANSI S1.25
- A & C frequency weighting
- Fast & Slow time weighting
- Lightweight and compact design
- Adjustable Criterion Level, Exchange Rate and Threshold
- USB interface with Windows® compatible software to retrieve stored data (sold separately)
- Easy-to-read backlit LCD display
- Data hold and Min/Max hold
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes microphone with clip, batteries, wrist strap & carrying case

Specifications

Measurement Type:	Sound Pressure Level: dB Personal Noise Exposure: %Dose
Measuring Range(s):	35 to 130dB Low: 35 to 80dB High: 80 to 130dB Auto: 35 to 130dB Dose: 70 to 130dB
Dynamic Range:	50dB (in each range)
Accuracy:	31.5Hz ±3.0dB, 63Hz ±2.0dB, 125Hz ±1.5dB, 250Hz ±1.5dB, 500Hz ±1.5dB, 1kHz ±1.0dB, 2kHz ±2.0dB, 4kHz ±3.0dB, 8kHz ±5.0dB
Resolution:	0.1dB
Response Time:	Approx. 1 sec
Frequency Range:	31.5Hz to 8kHz
Frequency Weighting:	A, C
Time Weighting:	Fast/Slow (125mS and 1 second)
Microphone:	0.5" (12.7mm) electret condenser
Display:	4-digit LCD
Backlit Display:	Yes
Data Hold:	Yes

REED R8085

REC

44.2

Auto   A   dB FAST

Noise Dosimeter

ESC

HOLD

RUN / PAUSE

DUR/BEG   TIME

SET   LOG

FUNC.   ENTER

UNLOCK

Continued…

TECHNICAL DATA

Min:	Yes
Max:	Yes
Alarm Indicators:	Over (visual on-screen)
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Selectable Sampling Rate:	Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds)
Selectable Dose Measurement Rate:	Yes (1, 5, 10, 15, 30 minutes/ 1, 2, 4, 8, 10, 12, 24 hours)
Auto Shut-off:	Yes (after 10 minutes/off)
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	3 x AAA batteries
Output:	Yes, RS-232/USB (optional)
PC Connectivity:	USB Cable (R8085-USB, optional)
Software:	PC Software (R8085-PC, optional)
Software OS Compatibility:	Windows XP/Vista/7/8/10
Product Certifications:	CE, IEC61252, ANSI S1.25 for Noise Dose and Sound Exposure Meters, IEC 61672 Class 2/ANSI S1.4 Type 2 for Sound Level Meters
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	<85%
Dimensions:	4.2 x 2.3 x 1.0" (107 x 58 x 25mm)
Weight:	4.3oz (122g)

Includes microphone with clip, batteries, wrist strap & carrying case

Model	Description
R8085	Noise Dosimeter
R8085-PC	PC Software for Noise Dosimeter
R8085-USB	USB Cable for Noise Dosimeter
R8085-MIC	Replacement Microphone and Clip
CA-52A	Soft Carrying Case
R8888	Hard Carrying Case
R8090	Sound Level Calibrator
R1500	Tripod
R8085-KIT	Noise Dosimeter Kit
R8085-NIST	Noise Dosimeter with NIST

R8085-KIT
Noise Dosimeter Kit

Includes:
2 x R8085 Noise Dosimeter, R8090 Sound Level Calibrator, R8085-USB USB Cable for Noise Dosimeter, R8085-PC PC Software for Noise Dosimeter and R8888 Hard Carrying Case