

# RC-401

## 1/3 실시간 주파수 분석기

소음측정기기



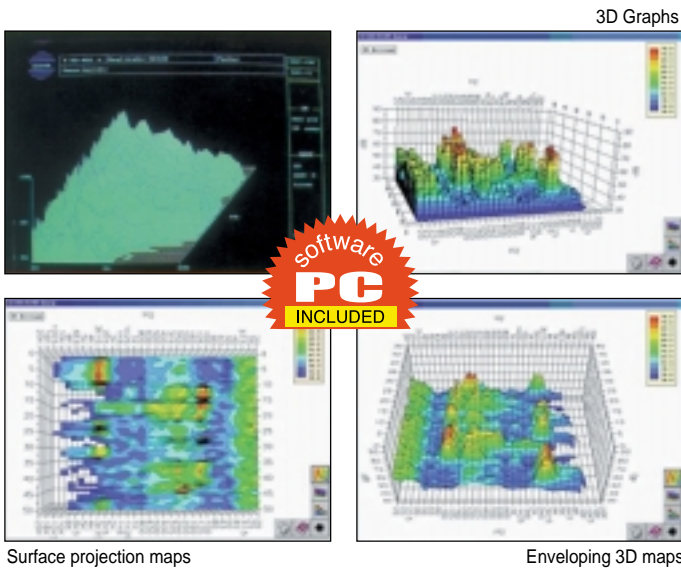
### RC-401 제품설명

#### 1/1 & 1/3 Octave band Real-time Analyser 1/1 & 1/3 주파수대역 실시간 분석기 RC-401

RC-401 실시간 주파수분석기는 소음, 진동의 각 주파수 Data를 그래프와 수치로 표시가 가능하며 전주파수대역에서 진행 시간 측정 및 기록이 가능한 정밀분석기입니다. 또한 주파수별 흐름을 3차원 표시가 가능하며, 1000개의 Data를 자동저장할 수 있습니다. RC-401은 Pink noise와 White noise Generator를 내장하고 있으며 충전건전지 또한 내장하고 있어 현장에서 간단히 분석을 실행할 수 있습니다. RC-401은 컴퓨터용 소프트웨어를 기본으로 포함하고 있으며 Microphone set MK-40 또는 Accelerometer set ACE-1을 선택하여 소음 또는 진동을 분석할 수 있습니다.

### SPECIFICATIONS

시양 / 제품번호	RC-401
<b>Inputs</b>	Microphone with 3 different calibrations and range from 20 to 130 dB SPL. Line from 1 mV to 30 V. Trigger from 0 to 5 V.
<b>Outputs</b>	For printer. RS-232 for communication with PC. Pink and white noise generator.
<b>Display</b>	124 x 75 mm LCD. On-screen range of 60 dB.
<b>Functions</b>	Average spectrum measurement. Sequences in 3D. Reverberation time (RT) measurement. Instantaneous, daily and weekly LAeq calculation. Programmable autostore.
<b>Memories</b>	Capacity to store and recall 1000 spectrums
<b>Editing</b>	Numerical and graphic presentation. In octaves or 1/3 octaves. With A and C weighting or without weighting.
<b>Supply</b>	Electricity supply and internal 12 V battery.
<b>Dimensions</b>	450 x 340 x 120 mm.a



Surface projection maps

Enveloping 3D maps

# MX-40 / C-130

## Accessories



**MX-40**

The set comprises C-130 microphone and PA-13 preamplifier.



### C-130 condenser microphone

The C-130 condenser microphone has been developed to supply the sector with greatest demand for precision measurements of sound pressure. The use of materials such as nickel and monel, and exhaustive quality control, make the C-130 a highly reliable microphone.

By virtue of its size, type of thread and contacts, the C-130 is interchangeable with most makes commonly found on the market, which also facilitates its calibration in official laboratories.

### SPECIFICATIONS

시양 / 제품번호	C-130
<b>Sensitivity</b>	25 mV/Pa
<b>Dynamic range</b>	18 to 150 dBA
<b>Frequency response</b> (±1 dB, angle of incidence 0°, free-field)	from 31.5Hz to 12.5kHz
<b>Polarisation voltage</b>	200 V
<b>Capacity</b>	22 pF (typical)
<b>Diameter</b>	13.2 mm

An indispensable tool in the field of acoustic instruments: insulation calculation, room conditioning, equalisation of musical equipment, quality control, employee protection, calculation of absorption coefficients, analysis of industrial noise (turbines, compressors, etc.)...

Real time spectrum in 1/3 octave.

The Previous spectrum edited in octaves.

The previous spectrum presented numerically.

A weighting applied to the same spectrum.

Dynamic comparison between two spectrums (one memorised).

Numerical presentation of the previous comparison.

Dynamic subtraction of two spectrums.

Numerical comparison between 4 spectrums in 1/3 octave.

Graphic calculation of LAeq in 1/3 octave.

Numerical representation of the previous LAeq calculation.

Graphic calculation of LAeq with several noise spectrums(n-Noise).

Graphic presentation of the daily LAeq.

Graphic representation of reverberation time in 1/3 octave.

Numerical representation of the previous information.

Temporal evolution of the sound pressure level for the 100 Hz 1/3 octave band.

Three-dimensional representation of a sequence of 50 spectrums.

**PA-13 / ACE-1** Accessories



**ACE-1 Accelerometer**

The ACE-1 accelerometer needs no charge amplifier. Supplied with cable and connector.

**SPECIFICATIONS**

시양 / 제품번호	ACE-1
Sensitivity	100 mV/g
Frequency response	from 3 Hz to 5 kHz
Mass insulation	included
Maximum acceleration without breakage	5000 g
Dynamic range	50 g



**PA-13 Preamp**

The PA-13 preamplifier is designed for half-inch microphones such as the CESVA C-130 and comparable types. By virtue of its wide frequency response and low noise level, the PA-13 is ideal for precision applications. It is also very reasonably priced.

**SPECIFICATIONS**

시양 / 제품번호	PA-13
Gain (at 1 kHz)	-0.1 dB
Frequency response(± 0.5 dB and small signal)	1 Hz to 100 kHz
Input impedance	10 GΩ
Output impedance	50 Ω
Power supply	28 or 120V
Minimal voltage range at output	± 10V (at 28V) and ± 50V (at 120V)
Noise (with 1/2" microphone and A weighting)	2.5 μV (typical)
Connector	LEMO with 7 contacts
Diameter	12.5 mm