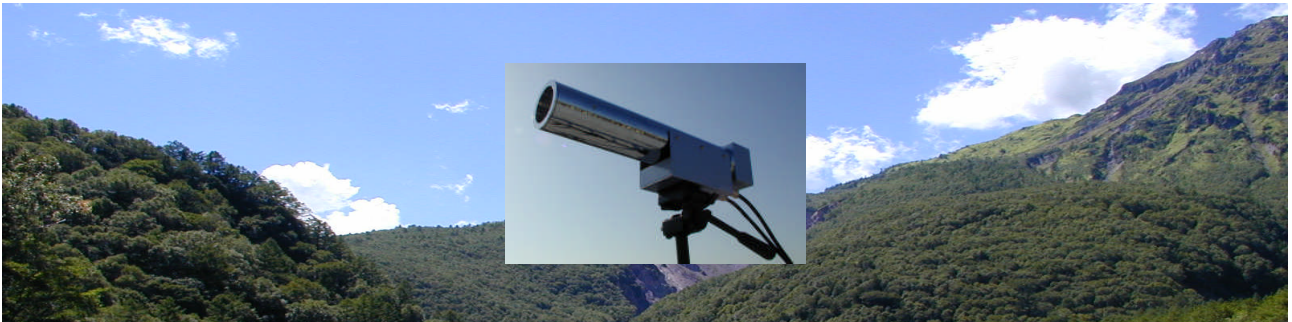# COM-3400 Air Ion Counter
The main part and the detector were divided

An electric mobility distribution table can be created.

COM-3400 can measure many ion which the very small ion which exists in a nature, and an ion generator make. COM-3400 is used in the research institution, the university, the company, etc. Moreover, overseas research institution, university, and company are also used. The adopted detector has a track record in air ion measurement of the interior of a room and the outdoors for a long period of time. The performance excellent in unmanned observation of the air ion of the interior of a room and the outdoors will be demonstrated.

COM3400 has two kinds of measurement modes, and can choose the measuring method according to the purpose.
① Manual ion measurement mode :　　A positive ion and negative ion are chosen and measured.
② Automatic ion measurement mode :　　A positive ion and negative ion are measured automatically by turns.
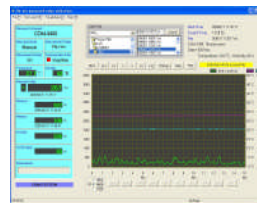

Specification

■ **Measuring method**
Gerdien capacitor method
It is measurement specialist specification about the small ion in the air.
It was based on JIS. A reliable cylinder electrode system is adopted.
　　　　　　　　　　　※ JIS: Japanese Industrial Standards

■ **Electric mobility**
5.0 - 0.16　c ㎡/V・sec　　　An arbitrary setup is possible .(125 kinds)

■ **Time base range**
0 ~ 5,000,000 /cc　　A positive ion and negative ion are measured
Resolution 1 /cc

■ **Measurement range**
R1 : 0 ~ 8,000 /cc　　　　R2 : 0 ~ 50,000 /cc
R3 : 0 ~ 500,000 /cc　　　R3 : 0 ~ 5,000,000 /cc

■ **Display for indication**
LCD display (16 figures, two lines)　　With a back light

■ **BNC output**
Voltage output (two channels)

■ **Serial communication (RS-232C)**
　　　The output of ion data,
　　　The input of the control code from a personal computer

■ **Temperature and humidity**
The temperature and humidity inside a detector are measured.

■ **Power supply**
AC adapter (AC100 V ~ 240V)

■ **Main part**
Size: 130 x 260 x 340mm　　　　Weight:　About 5 kg

■ **Detector**
Size: 70 mm (diameter) x 400mm　　Weight:　About 4 kg

■ **Accessories**
Connecting cable 5m (2), Temperature moisture sensor cable 5m, Personal computer connecting cable, AC power cord, Operation manual,
Main part aluminum suitcase case, Detector aluminum suitcase case,
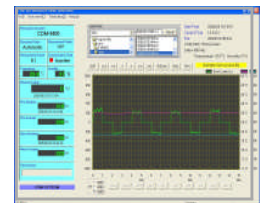Data collection PC software, RS232C / USB converter

Software
Software which displays and collects ion data

■ Ion, temperature, and humidity data can be downloaded to a personal computer, and can be displayed.
■ The report by which the environmental photograph taken with ion measurement data and a digital camera was set can be drawn up.
■ Ion measurement data can be processed using Excel.
■ An electric mobility distribution table can be created.
■ The range 1 has three display types. (1000, 4000, 8000 /cc)

Manual measurement mode　　　Automatic measurement mode