

# EB-17

## Negative Ion Measuring Instrument

Simple operation: By just turning on the switch, measurement will be completed in 10 seconds, assuring accuracy for anybody.

Easy-to-read display: Numeric display of results.

Stable measurement results: Unlike conventional air ion counters, our counter always ensures accurate results. Small in size: Easy to carry as a sales tool.

Negative ions released mainly from natural ores and ceramics can be counted. Low dose radiation, released from natural ores and ceramics, reacts with water in the atmosphere, when negative ions are generated. EB-17 detects the released small amounts of radiation, whose data is processed by a computer to obtain the number of negative ions (per cm<sup>3</sup>). The result will then be displayed.

### Specification

Display : 4 digits liquid crystal, 1/2 digital indication  
Measurement unit : ions( pieces)/cm<sup>3</sup>  
Power : 4 AA alkali battery ( lasts 60 hrs)  
Current consumption : 100mW  
Automatic power off function : Automatic power off after 15mins  
Effective measurement area : 15.5cm<sup>2</sup>  
Range of measurement : 0~199900(ions/cm<sup>3</sup>)  
Average error : ±15%  
Operation ambient Temperature : -10~+50°C  
Storage ambient Temperature : -20~+60°C  
Body : Reinforced plastic  
Size : 167 x 73 x 40 ( L x W x H)  
Weight : 330g (excluding batteries)



### Number of negative ions

We have concluded that 100/cm<sup>3</sup> would be appropriate to obtain favorable effects for sheets and other products that are used in contact with our body for long hours. (Excessive negative ions will sometimes make you feel drained like after taking a long hot bath.)

### Remarks

EB-17 is only suitable for detecting the generation of negative ions (caused by small amounts of radiation) under static condition at normal temperatures. Please be aware that some natural ores such as tourmaline do not generate negative ions under static condition at normal temperatures but generate them only for a short period of time (3-5 seconds) only under certain conditions such as addition of a strong shock and pressure.

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