

The experimental equipment that can observe the tracks of radiation !

# New Cloud Chamber without Dry Ice !

## RADO Peltier Cooling Cloud Chamber E-114



### 3 features of "E-114"

1. No dry ice required
2. You can observe tracks of natural radiation
3. Only 3minutes to start observation

- It is a Cloud Chamber that uses a **Peltier element** to cool and observe the tracks of radiation.
- With a wide observation surface of **75 mm diameter**, you can observe many tracks.  
5 to 6 students can observe simultaneously.
- Tracks of **natural radiation** are observed.
- The tracks will start to appear in about 3 minutes after turning on the power.
- It is possible to add ethanol from the bottle with one push without interrupting the observation.
- Since the observation surface is illuminated with **12 super high brightness LEDs**, the tracks are clearly visible and no darkroom is required.
- Since residual ions are removed by applying a voltage to the observation surface, fine tracks such as beta rays can be observed.
- **A mantle for <sup>220</sup>Rn supply** and **a ceramic monazite ball** are attached as radiation source samples.
- Because it has low power consumption, it is possible to operate multiple units at the same time.



Tracks of  $\alpha$  particles from <sup>220</sup>Rn

Name	RADO Peltier Cooling Cloud Chamber E-114
Cooling method	Peltier element cooling
Observation surface	Circular (diameter 75 mm)
Radiation source	<sup>220</sup> Rn supply mantle and ceramic monazite ball
Illumination	12 high brightness white LEDs
Size	about W160 × D160 × H220 mm
Body weight	About 2kg
Supply voltage	AC100 ~ 120V or AC200 ~ 240V
Power consumption	About 70W
Using liquid	Ethanol

**PRICE \$1,400 USD**

※The appearance and specifications are subject to change without notice for improvement.



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