



Very Compact Ionization Chamber Type
 «for low dose equivalent rate»

Survey Meters

AE-133/Λ 2

Λ 2 Series

1cm dose equivalent rate



Summary

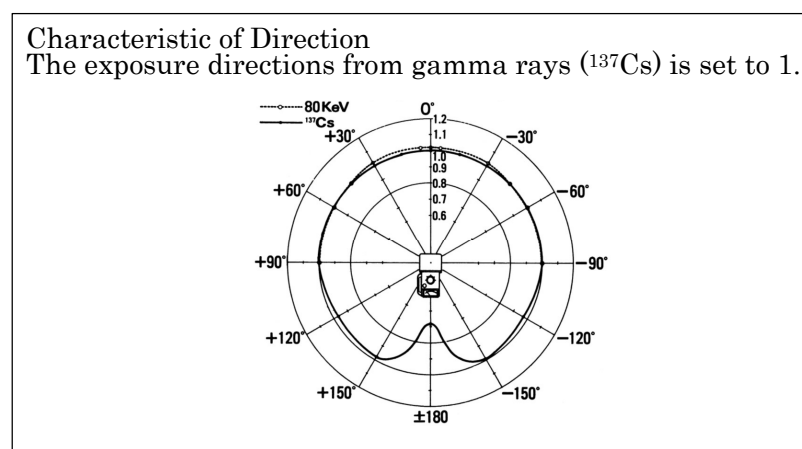
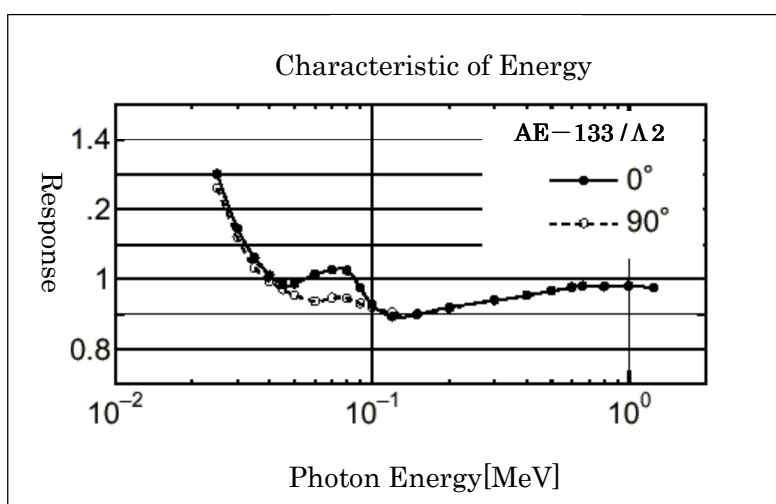
This instrument is a very compact ionization chamber type survey meters. It has good characteristics of energy and direction and can directly read 1cm dose equivalent rate of SI unit. The measuring range is switched by 6 steps, 3, 10, 30, 100, 300 and 1000. Because the ionization chamber is sealed, it has a little influence on temperature and atmospheric pressure. It also has superior reading accuracy and can measure X and gamma rays of background level to 1 mSv/h. It is also use for a high-precision portable area monitor by using an output terminal. It is most suitable for surveying and monitoring at the surroundings a nuclear reactor, an isotope location and installations for a cyclotron, a linac accelerator and an X-ray generator.

Strong Point

- ionization chamber type
It has good characteristics of energy
- very compact
It can put on a hand.
- high sensitive and wide range
It can measure background level to 1 mSv/h.
- monitor
It can use for a portable area monitor.
- method of calibration
It can be done single-point calibration.
- improvement from Λ 1
RANGE switch is strengthened.
(The durability of the point of contact of RANGE switch of Λ 2 becomes three times as strong as RANGE switch of Λ 1.)
Metal fitting of hook type for band is strengthened.
- ★ It can be set a tripod and neck strap.

Specifications

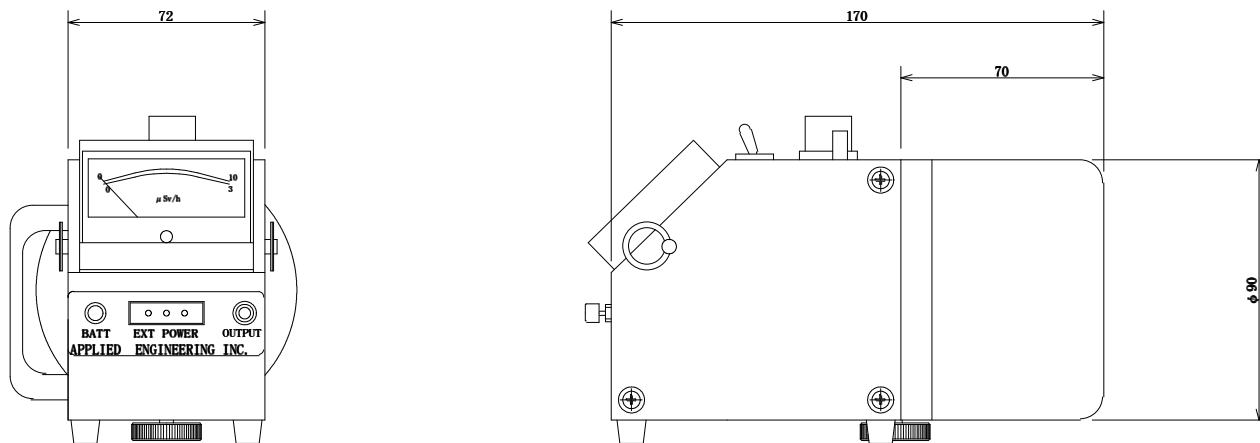
- detection level
X and gamma rays at 30 keV to 2 MeV
- measuring range
3, 10, 30, 100, 300, 1000 μ Sv/h of full scale
- response time
approximately 10sec
- detector
cylindrical ionization chamber
- accuracy
meter 2.5C, output terminal ±1%
- output
output terminal···+ 10mV full scale,
output impedance···100Ω
- power supply
battery···6F22(9V) × 4, NC706(24V) × 1
Use AC adapter (option).
- battery life
6F22···approximately 170h (continuous use), NC706···approximately 5y (see the expiration date.)
- battery check
Push the button and power supply can be checked except for applied voltage (NC706).



- permissible conditions
-5°C to +45°C (Relative humidity is less than 90%)
- dimensions
170D × 90W × 110H (mm)
- weight
body...approximately 770g, batteries... (6F22 and NC706)...200g

Outside Drawing of AE-133/Λ2

(* The connector for AC adapter (EXT POWER) is an option.)



Due to our policy of continued development, specifications are subject to change without notice.

APPLIED ENGINEERING INC.

応用技研 ■ Exposure Meters For Environmental Radiation/For Radio Therapy
■ Electronics Apparatus, System Machinery for Measurement of Micro Current

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