

INTERFEROMETER

Meaning: An interferometer is an instrument that uses the interference of light waves to measure small distances or changes in position with high precision.

1. The interferometer is a crucial instrument in the field of optical metrology.
2. Researchers used a laser interferometer to measure the minute displacement of the mirror.
3. In astrophysics, an array of interferometers can provide a clearer image of distant celestial objects.
4. The design of the interferometer allows for the precise measurement of refractive indices.
5. Advancements in technology have made digital interferometers more accessible for laboratory use.

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