

IFM100

Interferometers

FibreOptica provides a set of complete, fully developed and established interferometer systems for general physics education in universities and colleges. This kit provides complete set of optical and mechanical components as well as light sources, which can be conveniently assembled to construct different interferometer setups. Supported by experienced and competent technical team, we would gladly assist you in the selection of the right experiments for your particular requirement.

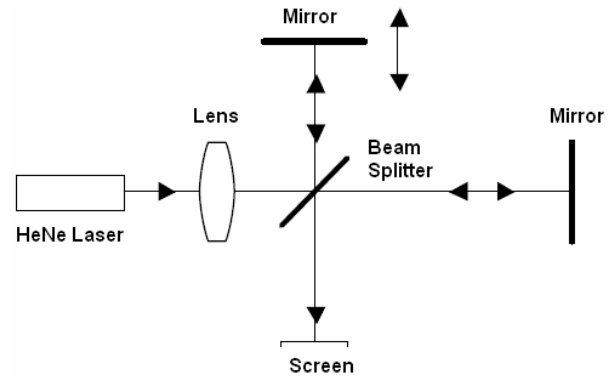
Michelson Interferometer

Principle:

In a Michelson interferometer, a laser beam is split into two partial beams by a beam splitter. These beams are reflected by two mirrors and brought to interference after passing through the splitter a second time.

You can learn:

- Interference
- Wavelength
- Refraction index
- Light velocity
- Phase
- Virtual light source
- Coherence



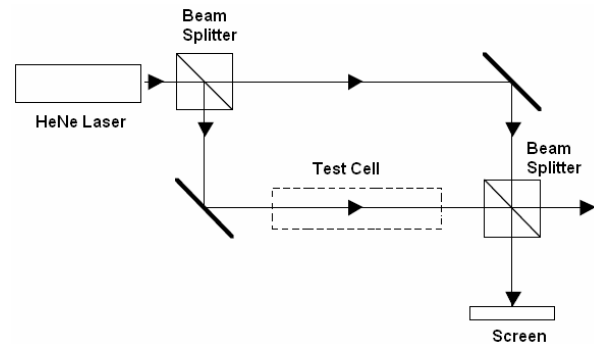
Mach-Zehnder Interferometer

Principle:

In the Mach-Zehnder arrangement, light is brought to interference by two mirrors and two beam splitters. By changing the pressure in a measuring cell located in the beam path, one can deduce the refraction index of air.

You can learn:

- Interference
- Wavelength
- Diffraction index
- Speed of light
- Phase
- Virtual light source



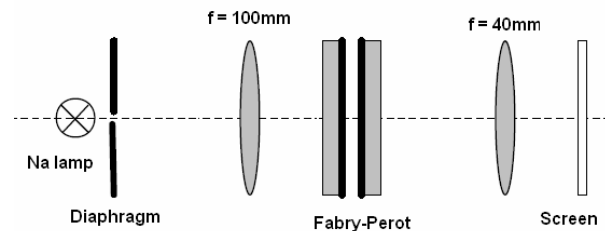
Fabry-Perot Interferometer

Principle:

In Fabry-Perot interferometer, two mirrors are assembled. The multi-beam interference of a laser's light beam is investigated. By moving one of the mirrors, the change in the interference pattern can be studied and the wavelength of the laser's light can be determined.

You can learn:

- Interference
- Wavelength
- Diffraction index
- Speed of light
- Phase
- Virtual light source
- Multi-beam Interferometer



Order Information

Model LDL100

Distributor Information

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