2.2.05-00 Michelson interferometer

What you can learn about ...

- ➔ Interference
- ➔ Wavelength
- ➔ Refractive index
- ➔ Velocity of light
- ➔ Phase
- ➔ Virtual light source

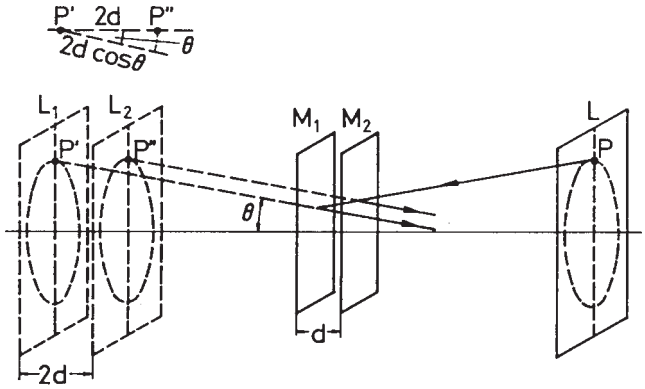
Principle:

In the Michelson arrangement interference will occur by the use of 2 mirrors. The wavelength is determined by displacing one mirror using the micrometer screw.

What you need:

Michelson interferometer	08557.00	1
Laser, He-Ne 1.0 mW, 230 VAC	08181.93	1
Swinging arm	08256.00	1
Lens, mounted, f = +20 mm	08018.01	1
Lens mounted, f = +5 mm	08017.01	1
Lens holder	08012.00	3
Slide mount for optical profil bench, h = 30 mm	08286.01	1
Optical profile bench, l = 600 mm	08283.00	2
Base for optical profile bench, adjustable	08284.00	1
Screen, metal, 300 mm x 300 mm	08062.00	1
Barrel base -PASS-	02006.55	1

Complete Equipment Set, Manual on CD-ROM included
Michelson interferometer P2220500



Formation of circles on interference.

Tasks:

Determination of the wavelength of the light of the used laser.

You can find more advanced optics in this brochure Order No. 00117.02 (see page 121)