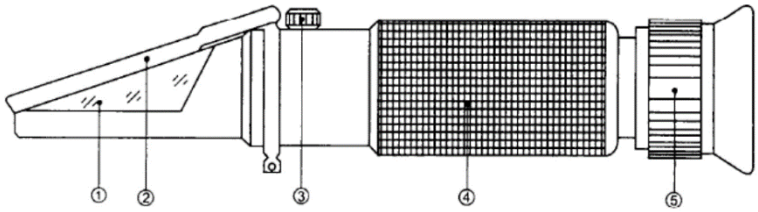
Instructions for optical refractometer mod. 104

The refractive index of a liquid containing sugar or other solids is proportional to its concentration. Manual refractometers are based on this principle and built to be used quickly and easily to measure the percentage of sugar present in liquids. The fields of use are therefore various: In the industries for the quality control of the raw materials used and of the final product for fruit, honey, drinks, juices etc. For wine producers, cellars, analysis laboratories.

Description

1) Prism;
2) Protective cover;
3) Calibration screw;
4) Coating;
5) Optical group, focus.



Instructions for use

Open the protective cover (2), clean the prism (1) carefully with a soft cloth, be careful not to scratch the prism slide. Deposit a few drops of solution on the prism and then close the protective flap so as to spread the liquid over the entire prism scale. Position the instrument towards a light source and focus (5) until the gradation can be read.

Calibration

Put a few drops of monobromo-naphthalene solution on the main prism, put the additional prism on the main prism resting the smooth side, close the flap, make the dividing line coincide with 78.8% Brix.

Warnings for the use of the refractometer

Warnings for the use of the refractometer: Before carrying out any operation, check, adapt and calibrate the instrument. Use the warning when operating or transporting the instrument, to avoid shocks, or to forget it exposed to the sun or near heat sources. If the instrument is used to measure solutions containing substances harmful to people, use it with the utmost caution and clean it thoroughly and immediately after use. For any improper use of the instrument, Giorgio Bormac will not be responsible for the results of the measurements or for any other damage caused.

Disposal of electronic devices



Electrical and electronic equipment marked with this symbol cannot be disposed of in public landfills. In accordance with EU directive 2002/96 / EC, European users of electrical and electronic equipment have the option of returning the used equipment to the Distributor or Manufacturer when purchasing a new one. Abusive disposal of electrical and electronic equipment is punished with a pecuniary administrative sanction.