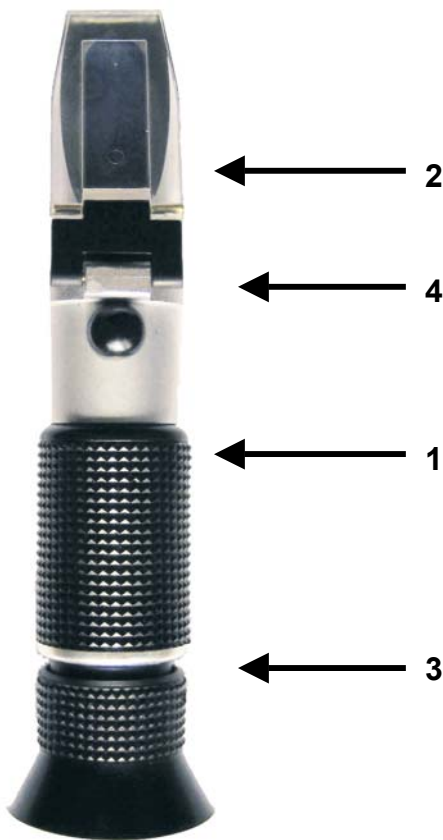




Handheld Refractometer Manual



Zero point adjustment

After raising the cover plate (1), place several drops of distilled water on the prism surface (2). Press the plate back on. Determine the volume of liquid in such a way that most of the prism surface is wetted after pressing.

Now hold the refractometer with its prism surface up to a bright light source. A light and dark field is visible in the eyepiece (3), whose borderline indicates the calculation index on the scale which is also visible in the eyepiece.

Using the screwdriver included with the device, turn the adjustment screw (4) to set the scale so that the borderline is 0.0%.

Measuring procedure

As in point 1, apply the liquid to be measured to the prism surface and uniformly distribute it by pressing the cover plate.

Hold the refractometer up to a bright light source. The borderline showing the percentage concentration of the emulsion or solution on the scale is visible in the eyepiece.

For certain products, it is necessary to convert the results read. To do so, multiply the read value by the refractometer factor in accordance with the product information.

The refractometer is calibrated for an ambient temperature of 20°C.