



## Refractometer Beer/Alcohol (0-18° Plato) "ATC"

15305131

A refractometer is an optical measuring device used to measure the refractive index of various liquids. There are different types of refractometers, some of which are stationary and others handheld. However, they all work on the same principle of the refractive index of light.

With a refractometer you can measure the sugar content of fruit and malt, the water content of honey, the ability of antifreeze to keep liquids frost-free, the density of urine or the acid content of a battery. Likewise, a refractometer can measure saline solutions in seawater and the alcohol content of clear spirits or the alcohol solution in ex. IPA alcohol in geothermal heating systems.

The Plato Gravity Scale is a measure of the concentration of dissolved solids in a brewery herb. Degrees Plato (°P) is used to quantify the concentration of extract (mainly sugars derived from malt, but also other soluble materials in herb) in weight percent.

A 10°P herb will contain 10 g of extract per 100 g herb. The measurement of the herb's gravity is important for brewers, as it is an indicator of the beer's potential alcohol strength. As a very rough guide, each 1°P generates approx. 0.4% alcohol by volume - a 12°P herb will on average produce approx. 5% alcohol by volume, depending on the extent to which sugars have been fermented.

The Plato scale differs slightly from the Balling scale in that the measurement of the specific gravity used to determine the

### Product details

Item no. 15305131

### EAN

Customs tariff 9027899000

Sales Quantity 1

### Product specifications

Barcode 5708004075127

Resolution 0,1° Plato

Measuring range 0-18° Plato

Model Beer/Alcohol

Product type Refractometer

Accuracy  $\pm 0,1^\circ$  Plato

Length 203 mm

Diameter  $\emptyset$  40 mm

Automatic temperature compensation (ATC) Yes

Material Copper

Gross weight 0.430 kg

Net weight 0.240 kg