



°Plato scale in Brewing

The °Plato scale is a way to quantify the concentration of sugars and dissolved solids in wort. It is used as an indicator of the potential alcoholic strength of a brewing and expresses the fermentability. The HI96841 converts the refractive index reading to °Plato based on the tables maintained by the International Commission for Uniform Methods of Sugar Analysis (ICUMSA) and the American Society of Brewing Chemists (ASBC).



Specifications

HI96841

Sugar Content	Range	0 to 30 °Plato
	Resolution	0.1 °Plato
	Accuracy (@25°C/77°F)	±0.2 °Plato
Temperature	Range	0 to 80°C (32 to 176°F)
	Resolution	0.1°C (0.1°F)
	Accuracy (@25°C/77°F)	±0.3°C (±0.5°F)
Additional Specifications	Temperature Compensation	automatic between 0 and 40°C (32 to 104°F)
	Measurement Time	approximately 1.5 seconds
	Minimum Sample Volume	100 µL (to cover prism totally)
	Light Source	yellow LED
	Sample Cell	stainless steel ring and flint glass prism
	Auto-off	after three minutes of non-use
	Enclosure Rating	IP65
	Battery Type / Battery Life	9V / approximately 5000 readings
	Dimensions / Weight	192 x 102 x 67 mm (7.6 x 4.01 x 2.6") / 420 g (14.8 oz.)
Ordering Information	HI96841 is supplied with battery and instruction manual.	

HI96841

Digital Refractometer

for Measurement of Wort Sugar Analysis

- **Dual-level LCD**
 - Dual-level LCD displays measurement and temperature readings simultaneously
- **ATC**
 - Automatic Temperature Compensation
- **BEPS**
 - Alerts the user of low battery power that could adversely affect readings.
- **IP65 water protection**
 - Built to perform under harsh laboratory and field conditions.
- **Quick, accurate results**
 - Readings are displayed in approximately 1.5 seconds
- **One-point calibration**
 - Calibrate with distilled or deionized water
- **Small sample size**
 - Sample size can be as small as 2 metric drops
- **Automatic shut-off**
 - After three minutes of non-use
- **Stainless steel sample well**
 - Easy to clean and corrosion-resistant
- **Easy measurement**
 - Place a few drops of the sample in the well and press the READ key
- **ABS thermoplastic casing**

Digital Refractometer for Brewing

The HI96841 Digital Refractometer combines form and function into one compact unit. Featuring a 1.5 second response time, the HI96841 measures the refractive index of wort and converts it to °Plato with temperature compensation. The improved easy-to-read LCD screen displays temperature units (°C or °F) and measurements simultaneously. The HI96841's IP65 water-resistant casing and sealed sample well are built to perform under harsh conditions, making it suitable for use in any brewery.