



°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).



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**

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.	

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.