



Designed  
for wort  
sugar  
analysis



HI96841 Digital Refractometer for Brewing





# 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.

- Dual-level LCD
- Easy measurement
- IP65 water resistant protection
- Automatic Temperature Compensation
- Readings are displayed in approximately 1.5 seconds
- Sample size can be as small as 2 metric drops
- Automatic shut-off
- Stainless steel sample well



## °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       |                                                                    |                         |
|----------------------|--------------------------------------------------------------------|-------------------------|
| °Plato               | 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)         |
| Ordering Information | <b>HI96841</b> is supplied with 9V battery and instruction manual. |                         |