

digital

brix refractometer

for professional analysis



ANALYZE

FRUITS  
JUICES  
SOUPS

ENERGY DRINKS  
JAM  
JELLY

PUDDINGS  
MARMALADE  
TOFU

SOY MILK  
HONEY  
CONDIMENTS

dual-level LCD

temperature measurement

calibrate with water

wide range

easy measurement

ATC

battery operated

small sample size

IP65 waterproof protection

stainless steel sample well

automatic shut-off



HI 96801

ISO 9001:2000  
CERTIFIED

**HANNA**<sup>®</sup>  
instruments

With Great Products, Come Great Results™

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#### TAKE YOUR MEASUREMENTS TO THE NEXT LEVEL

The HI 96801 Digital Refractometer is a rugged potable, water resistant device that benefits from HANNA's years of experience as a manufacturer of analytical instruments.

The HI 96801 is an optical instrument that employs the measurement of refractive index to display the sugar content in samples. The measurement of refractive index is simple and quick. Samples are measured after a simple user calibration with deionized or distilled water. Within seconds the instrument measures the refractive index of the sample and converts it to % Brix concentration units. The HI 96801 digital refractometer eliminates the uncertainty associated with mechanical refractometers and is portable for measurements in the field.

The measurement technique and temperature compensation employ the methodology in the ICUMSA Methods Book (International Commission for Uniform Methods of Sugar Analysis).

Temperature (in °C or °F) is displayed simultaneously with measurement on the large, dual level display along with other helpful message codes.

ACCURATE,  
REPEATABLE  
RESULTS





## STAINLESS STEEL SAMPLE WELL



### WIDE RANGE

The HI 96801 is versatile enough to fit most applications.

### EASY MEASUREMENT

Place a few drops of the sample in the well and press the READ key.

### CALIBRATE WITH WATER

Fill the sample well with distilled or deionized water and press the ZERO key.

### AUTOMATIC TEMPERATURE COMPENSATION (ATC)

### BATTERY OPERATED

The HI 96801 is operated by a single 9V battery for portability.

### DUAL-LEVEL LCD

The dual-level LCD displays the measurement as well as temperature readings simultaneously.

### WATERPROOF

The HI 96801 offers IP65 waterproof protection.

### QUICK, PRECISE RESULTS

Readings are displayed in approximately 1.5 seconds.

### SMALL SAMPLE SIZE

The HI 96801 is able to read samples as small as 2 metric drops.

your advantage

# HI 96801

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8888.8

Primary Display  
(measurement and error messages)

8888.8 °F

Secondary Display  
(temperature measurements)



Low Battery Indicator



ATC



Measurement Progress  
Tag



Calibration Tag



Factory Calibration Tag

## SPECIFICATIONS for HI 96801

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| <b>Range</b>                              | 0 to 85% Brix / 0 to 80°C (32 to 176°F)    |
| <b>Resolution</b>                         | ± 0.1% Brix / ± 0.1°C (± 0.1°F)            |
| <b>Accuracy</b>                           | ± 0.2 % Brix / ± 0.3°C (± 0.5°F)           |
| <b>Automatic Temperature Compensation</b> | between 10 and 40°C (50 - 104°C)           |
| <b>Measurement Time</b>                   | Approximately 1.5 seconds                  |
| <b>Minimum Sample Volume</b>              | 2 metric drops                             |
| <b>Light Source</b>                       | Yellow LED                                 |
| <b>Sample Cell</b>                        | Stainless steel ring and flint glass prism |
| <b>Case Material</b>                      | ABS                                        |
| <b>Enclosure Rating</b>                   | IP65                                       |
| <b>Battery Type / Life</b>                | (1) 9V / 5000 readings                     |
| <b>Auto-Off</b>                           | After 3 minutes of non-use                 |
| <b>Dimensions</b>                         | 19.2(W) x 10.2(D) x 6.7 (H)cm              |
| <b>Weight</b>                             | 420g                                       |

HI 96801 is supplied with (1) 9V battery and instructions.

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