

digital

brix refractometer

for professional analysis



0-85%

ANALYZE

FRUITS

ENERGY DRINKS

PUDDINGS

SOY MILK

JUICES

JAM

MARMALADE

HONEY

SOUPS

JELLY

TOFU

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

HANNA[®]
instruments
With Great Products, Come Great Results™

ISO 9001:2000
CERTIFIED

1 (800) 426-6287 • www.hannainst.com/usa • sales@hannainst.com

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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

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Primary Display

(measurement and error messages)



Secondary Display

(temperature measurements)



Low Battery Indicator



ATC



Progress Tag



Calibration Tag



Factory Calibration Tag

SPECIFICATIONS FOR HI 96801

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

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



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