

ISO 9001 CERTIFIED

# Maple Syrup

## Grading Meter & Refractometer

- Affordable for All Producers
- Easy to Use
- Digital Readout



**HANNA**  
instruments  
Agricultural Division

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## Grading Meter & Refractometer

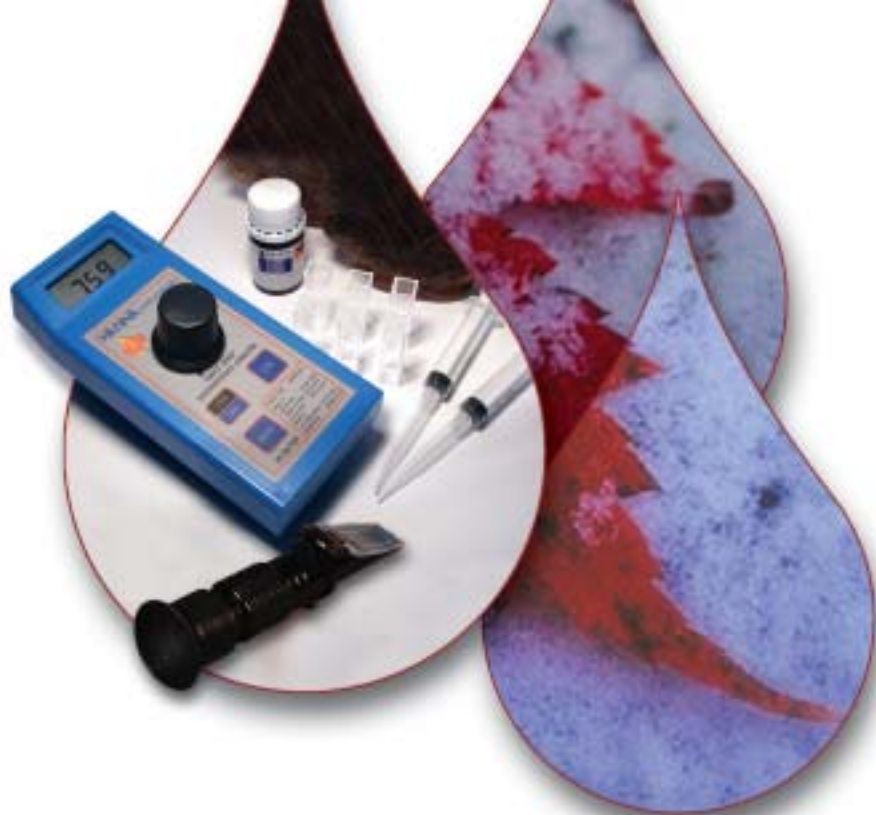
The **HI 95759** portable microprocessor analyzer measures the percent light transmittance of maple syrup compared to analytical reagent glycerol. The transmittance value allows identification of syrup grade class.

**Measurements** are made using matched square optical cuvettes having a 10 mm light path.

**Display codes** aid the user in routine operations.

The **HI 95759** features an auto shut-off feature that will turn the instrument off after 10 minutes of non-use.

The companion **Maple Refractometer** for measuring syrup density is rugged and simple to use with easily identifiable readings. This high precision refractometer measures 58-90% Brix.



## Why these instruments are so Important:

The primary characteristics for classifying maple syrup is color. When syrup is very light in color, as matching the minimum light transmittance standards, the grade assigned to syrup is high. When syrup color is dark, the grade is low. Color classes are expressed in percent of light transmission as compared to an analytical glycerol standard fixed at one hundred percent transmission. All syrup is considered to be at minimum density, 66.0 degrees Brix at 68°F (20°C), and have no flavors nor characteristics extraneous to pure maple syrup.

## Ordering Information

**HI 95759K** Maple Syrup Transmittance Analyzer is supplied with Refractometer, (6) sample cuvettes, (1) light shield cap, (2) 5 mL syringes, 30 mL glycerol (1 bottle), 9V battery and instruction manual in a hard carrying case.

## Recommended Accessories

**C 219KitN** consists of 30 mL of glycerol, 82 matched square cuvettes and (2) 5 mL syringes (75 tests average).



### HI 95759 Specifications

Range	0.0 to 100.0% Transmittance
Resolution	0.1% Transmittance
Precision	±1% @ 75.0% Transmittance

### Color Class Range (% Transmittance)

GRADE A Light Amber	75.0 to 100.0
GRADE A Medium Amber	60.5 to 74.9
GRADE A Dark Amber	44.0 to 60.4
Grade B for reprocessing	27.0 to 43.9
Substandard	less than 27.0

Authorized Distributor [www.clarksonlab.com](http://www.clarksonlab.com)

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