

# New Portable, Digital Maple Grading Meter



## What Maple Producers Have Been Waiting For!

- Affordable Solution for Small Growing Operations.
- Available in English with USDA Syrup Grades and also in French with Canada Federal & Quebec Grades.
- Battery Operated, Handheld with a Rugged Carrying Case. Syrup Grading has never been easier!!

HI 95759/HI 95760

**maple**  
Portable Digital Maple Meter

User Calibration  
Display Codes  
Auto Shut-off  
Rugged Kit Included

ISO 9001 CERTIFIED

**HANNA**  
instruments  
Agricultural Division  
[www.hannainst.com](http://www.hannainst.com)

# Digital Grading System in the Palm of Your Hand!

Syrup grading has never been easier, simply get your reading with push button ease and compare the digital readout to the grading chart printed on the face of your meter!

The HI 95759 and HI 95760 handheld, portable maple syrup transmittance analyzers are high precision, USDA (HI 95759) or Canada Federal and Quebec (HI 95760) compliant photometers that bring judging "by eye" to an end. The three-button operation and easy-to-read LCD makes these meters ideal in the field.

Both meters read in percent transmittance (grades and equivalent below) and provide a digital readout with a precision of  $\pm 1\%$ .



Maple syrup transmittance analyzers measure the percent light transmittance of maple syrup as compared to analytical reagent glycerol. The transmittance value allows identification of syrup quality class.



Measurements are performed by using matched square optical cuvetts having a 10 mm light path.



These meters incorporate an auto shut-off feature which turns the meter off after 10 minutes of non-use.



## Maple Syrup Grade Designation

Range (% transmittance)	United States USDA	Canada Federal & Quebec
75.0 to 100.0	Grade A Light Amber	No. 1 Extra Light
60.5 to 74.9	Grade A Medium Amber	No. 1 Light Grade A
44.0 to 60.4	Grade A Dark Amber	No. 1 Medium Grade A
27.0 to 43.9	Grade B for reprocessing	No. 2 Amber
less than 27.0	Substandard	No. 3 Dark

HI 95759/HI 95760

# maple

Portable Digital Maple Meter

These meters are supplied complete with six sample cuvetts, one light shield cap, two 5 mL



syringes, 30 mL of glycerol, 9V battery, instruction manual, and a heavy-duty carrying case.

### Specifications for HI 95759 and HI 95760

Range	0.0 to 100.0% Transmittance
Resolution	0.1% Transmittance
Precision	$\pm 1\%$ @ 75.0% Transmittance
Typical EMC Dev.	$\pm 0.1\%$ Transmittance
Light Source	Tungsten lamp with narrow band interference filter @ 560 nm
Method	Direct measurement
Light Detector	Silicon Photocell
Environment	0 to 50°C (32 to 122°F); max 95% RH non-condensing
Battery Type	1 x 9 volt
Auto shut-off	After 10 min. of non-use
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)

Authorized Distributor

**HANNA**  
instruments  
Agricultural Division  
[www.hannainst.com](http://www.hannainst.com)