



Stay Consistant and Improve Quality of Your Maple Syrup Production!

The HI 96759 and HI 96760 handheld, portable maple syrup transmittance analyzers are high precision, USDA (HI 96759) or Canada Federal and Quebec (HI 96760) compliant photometers that bring judging “by eye” to an end.

HANNA 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.

When the syrup color is very light, that can be compared to minimum standards of light transmittance, the quality level is very high, while when the color is very dark, the classification level is low. High quality syrup, must not have suspensions, bad odors and must have a minimum density of 66.0 Brix (20°C).

These instruments are water resistant and the lamp and filter units are protected from dust or dirt by a cover. Display messages aid the user in routine operation. The meter has an auto-shut off feature that will turn off the instrument after 10 minutes of non use in measurement mode or after 1 hour if left in calibration mode.*



MAPLE SYRUP GRADE DESIGNATIONS

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

SPECIFICATIONS HI 96759 (USA) • HI 96760 (CAN)

Range	0.0 to 100.0% transmittance
Resolution	0.1% transmittance
Precision	±1% to 75% transmittance
Light Source	Tungsten lamp
Light Detector	Silicon Photocell with narrow band interference filter 560 nm
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	(1) 9V battery
Auto-off	After 10 minutes of non-use
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")
Weight	290 g (10 oz.)

HI 93703-56



ORDERING INFORMATION

HI 95759 is supplied with square, sample cuvetts (5), 9V battery, light shield cap (1), 5 mL syringes (2), rigid carrying case and 30 mL glycerol (1) and instruction manual.

HI 96760 is supplied with square, sample cuvetts (5), 9V battery, light shield cap (1), 5 mL syringes (2), rigid carrying case and 30 mL glycerol (1) and instruction manual.

*These maple photometers do not feature CAL CHECK™

SOLUTIONS

HI 93703-50 Cuvet cleaning solution, 250 mL

ACCESSORIES

HI 93703-56 Consists of 82 matched square cuvetts, 30 mL of glycerol and (2) 5 mL syringes (75 tests average)

HI 740029P 9V Batteries (10)

HI 721310 9V Batteries (100)

HI 731318 Cuvet cleaning cloth (4)