



C 221 - Honey Color Analyzer

HI 83221 is a complete and ready-to-use kit for the analysis of the color of honey. It is made up of a professional photometer with direct readings in mm Pfund, 5 measurement cuvetts and analytical-grade glycerine for accurate calibration.

No more guessing: with HI 83221 you can easily and quickly obtain immediate and unanimous readings. In addition, the ease of use allows it to work in the laboratory or in the field.

Meaning and use

The natural color of honey presents many tonalities: from straw yellow to amber, from dark amber to almost black with a hint of red.

The color of untreated honey originates from the botanical varieties used by bees: for this reason, its coloration allows one to commercially identify the original floral type.

In addition, the color of honey tends to darken with age or change according to the method of conservation or production used by beekeepers, (for example: the use of old beehives, contact with metals, the temperature of conservation, exposure to light, etc.).

The classes of color are expressed in millimeters (mm) on the Pfund scale, compared to an analytical standard scale of reference on the graduation of glycerine.

Specifications

HI 83221	
Light Source	2 tungsten lamps with narrow band interference filter
Light Detector	2 Silicon Photocells
Power Supply	2 x 9V battery or 12 Vdc adapter
Auto-off	after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	230 x 165 x 70 mm
Weight	640 g

Test	Range	Method
Honey Color	0 to 150 mm Pfund	Direct measure

Ordering Information

HI 83221 is supplied complete with 5 cuvetts, 2 x 9V batteries, cuvet holder, protective cap, 12 Vdc adapter, 30 mL glycerine and instruction manual.

For a comprehensive list of accessories and reagents, see sections U and V