

Honey Analyzer 6 Refractometer

The C 221 portable microprocessor analyzer measures the percent light transmittance of honey compared to value allows identification of the honey Pfund grade.

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

Display codes aid the user in routine operations.

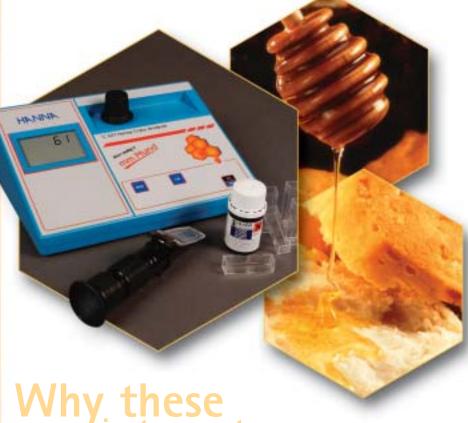
The C 221 features an auto shut-off feature that will turn the instrument off after 10 minutes of non-use.

The companion Honey Refractometer for measuring water content is rugged and simple to use with easily identifiable readings. This high precision refractometer measures 12-27% water content.

C 221 Specifications	
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Range	0 to 150 mm Pfund
Resolution	1 mm Pfund
Precision	±2 mm Pfund

USDA Color Standards	Color Range Pfund
Designations	Scales (mm)
Water White	≤ 8 or less
Extra White	> 8 - ≤ 17
White	> 17 - ≤ 34
Extra Light Amber	> 34 - ≤ 50
Light Amber	> 50 - ≤ 85
Amber	> 85 - ≤ 114
Dark Amber	> 114



Honey color varies naturally in a wide range of tonalities, ranging from light yellow to amber, dark amber and black in extreme cases. Sometimes green or red hues may occur. Color of untreated honey depends on botanical origin: for this reason color is very important for definition and commercial classification of monofloral honeys. Honey darkens with age, and other changes in color may result from beekeeper's interventions and from different ways of conservation (e.g.: use of old honeycombs, contact with metals, high temperatures, exposure to light, etc.).

The primary characteristic for commercial honey classification is color. Color classes are expressed in millimeters (mm) Pfund grades, compared to an analytical grade Glycerol Standard Reference.

C 221K Honey Color Analyzer is supplied with Refractometer, (5) sample cuvets, (1) light shield cap, 30 mL glycerol (1 bottle), (2) 9V batteries, 12 VDC transformer and instruction manual.

Recommended Accessories

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



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