HI83730

Photometer for the Determination of Peroxide Value in Olive Oils

Peroxides are the primary products of oil oxidation. Their identification gives useful information about oil conservation and rancidity. HI83730 allows a fast and simple analysis of peroxides in oil in accordance with the EC 2568/91 method.

The HI83730 is an instrument that benefits from Hanna's years of experience as a manufacturer of analytical instruments. It has an advanced optical system based on a special tungsten lamp and a narrow band interference filter that allows the most accurate and repeatable readings.
All instruments are factory calibrated.

The auto-diagnostic feature of this meter ensures optimal measurement conditions for highly precise readings. The light level is automatically adjusted each time a zero-measurement is made, and the lamp is temperature controlled to avoid overheating.

Oil Peroxides Content	
<10 meq O_2/kg	excellent conservation
10-15 meq O_2/kg	good conservation
<10 meqO_2/kg	refined oil
>20 meqO_2/kg	rancid oil

Specifications	HI83730
Range	0.0 to 25.0 meq O_2/kg
Resolution	0.5 meq O_2/kg
Accuracy @ 25°C/77°F	±0.5 meq O_2/kg
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 466 nm
Method	adaptation of EC 2568/91 method and following amendments
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	1.5V AA batteries (4) / 12 VDC adapter
Auto Shut-off	after 15 minutes of non-use
Dimensions	224 x 87 x 77 mm (8.8 x 3.4 x 3")
Weight	512 g (18 oz.)
Ordering Information	**HI83730-01** (115V) and **HI83730-02** (230V) are supplied with reagents for 10 tests, 1 mL syringes (4), scissors, vial wiping cloth, batteries, AC adapter, instructions and a rigid carrying case.
Reagent Sets	**HI83730-20** peroxide in olive oil reagents kit (21 manual tests)