OS280 Cooking Oil Tester

Cooking oil is the main energy and nutrition source, and the cooking material for daily life. Fried food is also favored for its unique taste. With physical and chemical reactions during the high-temp cooking process, toxic chemicals will be produced. Currently, the traditional testing method on cooking oil is mainly chemical method that is commonly used and conducted by professionals in the lab. But the laboratory process always produces pollution and unnecessary waste. The Total Polar Material (TPM) value is the only acceptable standard used for cooking oil testing. OS280 is designed for cooking oil testing with safety and efficiency. It is able to test total polar material (TPM) values in minutes and suitable for all kinds of cooking oil within high operation temperatures.

OS280 Cooking Oil Tester is especially suitable for quality supervision, refectory, fast-food restaurants, food manufacturers, bakeries and so on. It is also used for cooking oil quality's preliminary inspection in the lab. This tester aims to achieve the application and inspecting on oil quality, save cooking oil, and ensure the safety of cooking oil.

Characteristics

- Easy operation, field testing, suitable for a variety of testing conditions.
- Fast measurement, getting result within 10 seconds with sound-light alarm.
- Adopting food-grade materials, safe and eco-friendly for probes.
- Waterproof design, class IP68.
- Using AA battery, 500 times measurement.
- Adopting streamlined design, according to Ergonomics, easy handling and preventing it to fall apart.
- Special design for probe in order to reduce residual oil and easy for clean.
- The probe is easy to be replaced and no need to be recalibrated.
- With storage of 10,000 pieces testing results.

Monitor alarm in 3 Color Green, Yellow and Red

Technical data

Temperature measure range	0～200.0 ℃
Temperature resolution	± 0.1℃
Temperature accuracy	± 1.0℃
TPM measure range	0～50%
TPM accuracy	± 1.5%
TPM resolution	± 0.1%
Temperature sensor	PTC Sensor
TPM sensor	Capacitive sensor (Patent No.: ZL 2013 1 0243911.2)
TPM response time	<10S
LED status alert	Green，Orange , Red
Operating temperature	0 ～+50 ℃
Storage temperature	-40 ～+70 ℃
Display	LED
Frame material	ABS
Probe material	Food-grade stainless steel
Protection grade	IP 68
Battery life below 20 ℃	1.5V/5 Alkaline Batteries (AA LR6)*2pcs
Weight（with the probe cases）	About 218g
Bluetooth	Yes
WiFi	Yes
Probe	Replaceable