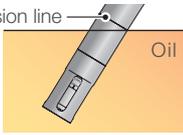


Measurement Method

- Press and hold the START button for approximately 1 second.
 
- Press the SW1 button to choose between measuring in AV or TPM scales.
 

* TPM is active on startup
- Press the START button. The instrument will begin taking measurements. Insert the sensor into the oil, and stir the oil.
 
- Measurement results (temperature and TPM) will be displayed once stability is reached (within approx. 30 sec).
 

Specifications

Measurement Range	TPM : 0.5 to 40.0% AV : 0.00 to 9.99 TMP : 0 to 225°C / 32 to 437°F
Resolution	TPM : 0.5% AV : 0.01 TMP : 1°C / 1°F
Accuracy	TPM : ±2.0% AV : ±0.2 (Varies with user's scale setting.) TMP : ±1°C / ±2°F (Accuracy guaranteed from 20 to 200°C / 68 to 392°F)
ATC Range	0 to 225°C / 32 to 437°F (Accuracy guaranteed from 20 to 200°C / 68 to 392°F)
Power supply	Size AAA alkaline battery × 2
International Protection class	IP67
Dimensions and weight	Φ22 × 490mm, 400g (main unit only)
TPM	Total Polar Materials
AV	Acid Value
TMP	Temperature
ATC	Automatic Temperature Compensation

Optional Accessories

Part Name	Part No.
DOM-24 Standard liquid	RE-99300
Strap (short)	RE-79430

All ATAGO products are designed and manufactured in Japan.

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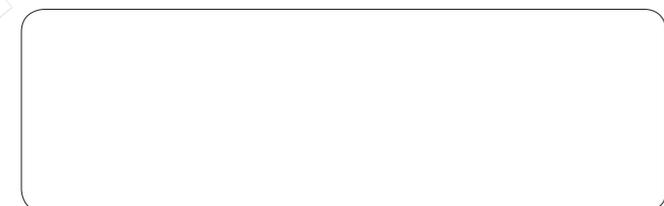
HACCP GMP GLP

ATAGO products comply with HACCP, GMP, and GLP system standards.



ISO9001 H.Q. & Factory

* Specifications and appearance are subject to change without notice.



Frying Oil Monitor

Cat.No.9341 **DOM-24**



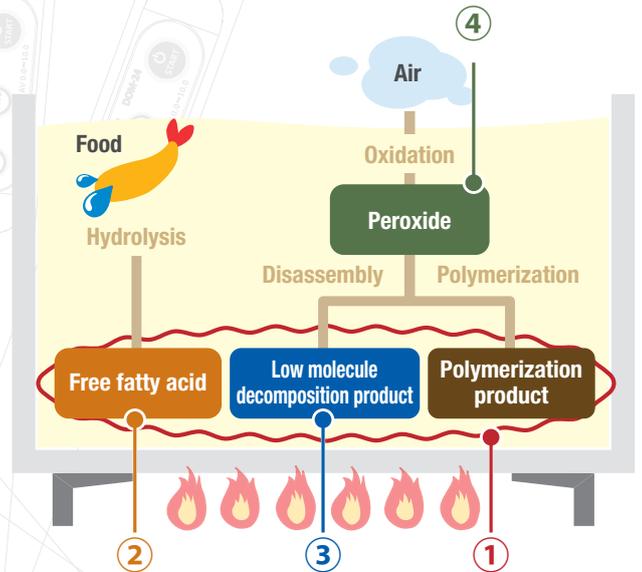
ATAGO

ATAGO presents a new standard in measuring oil degradation

Oil and deterioration

Frying oil deteriorates with exposure to air, light, heat, and water. Depending on how it has deteriorated in quality, it may not just affect the taste but also be bad for consumer's health. It is vital the oil quality is maintained.

Type of deterioration



① Total Polar Materials (TPM)

A method used to determine the degradation of frying oil. The EU has adopted a value of 25 to 27% as their acceptable upper limit for fats and oils.

② Acid Value (AV)

Acid Value or AV is an index that denotes the amount of free fatty acids caused by hydrolysis. Many AV test strips, which can be easily measure the value, are used at food production sites.

③ Carbonyl Value (CV)

It is a measurement denoting the amount of aldehyde and ketone produced in frying oils to determine degradation. In addition, as the threshold is small, it will impact the smell of fats and oils greatly.

④ Peroxide Value (POV)

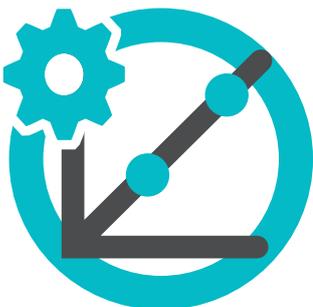
Peroxide is generated when oil is exposed to air, causing the unsaturated fatty acids to absorb oxygen. Peroxide value can also be used to measure hydroperoxide but for frying oil the indicator is by decomposition or polymerization.



Easy to read digital display



Consistently provides precise measurements, regardless of oil temperature.



Equipped with a preset AV scale.



Customizable user scales