INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Monitor para aceite de Freir

AT-DOM24



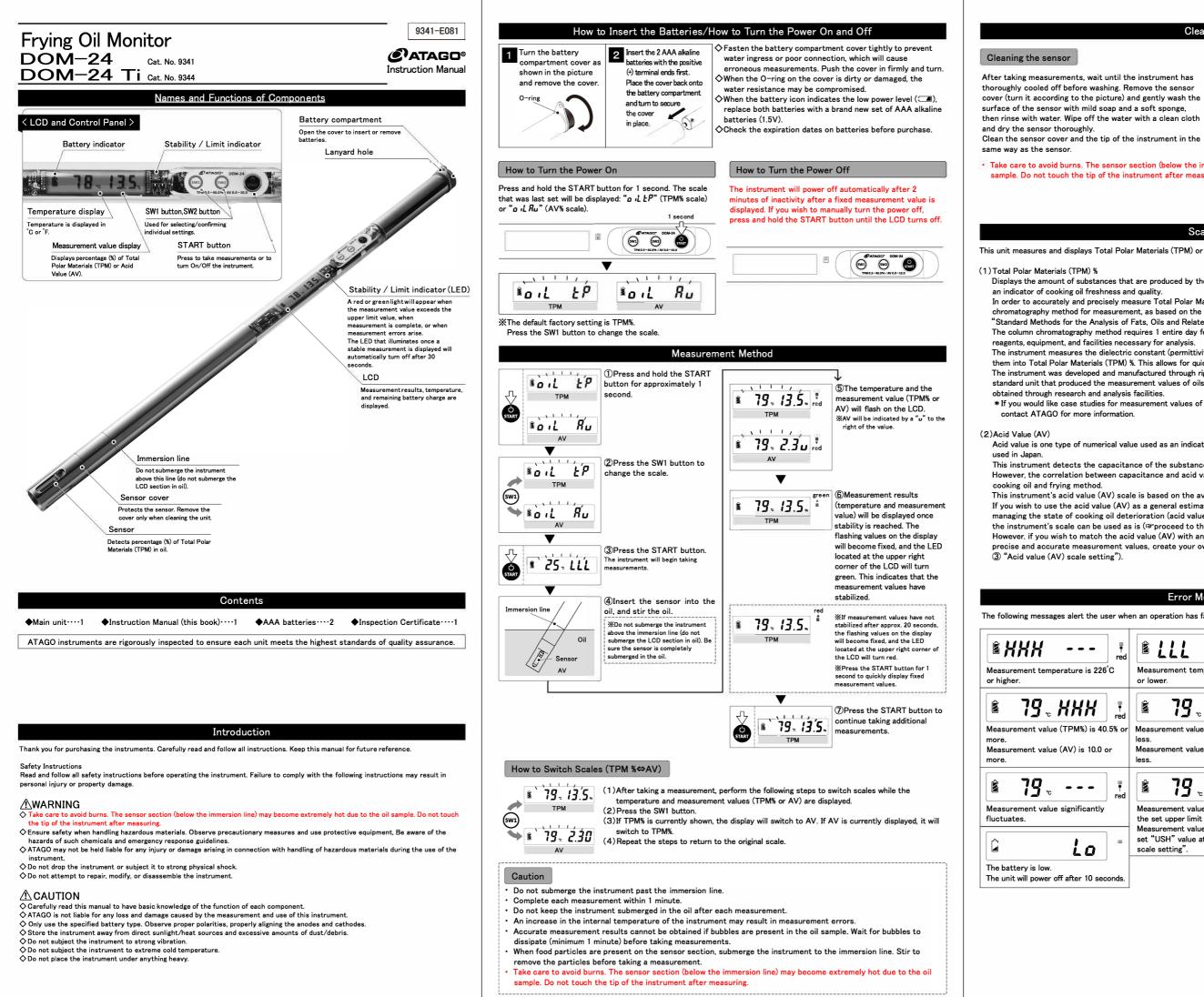




/ twilightsadecv







💌 Take care to avoid burns. The sensor section (below the immersion line) may become extremely hot due to the oil sample. Do not touch the tip of the instrument after measuring.

Scales

This unit measures and displays Total Polar Materials (TPM) or Acid Value (AV) %.

Displays the amount of substances that are produced by the deterioration of cooking oil. It is primarily used in Europe as

In order to accurately and precisely measure Total Polar Materials (TPM) %, it is necessary to use the column chromatography method for measurement, as based on the findings from The JOCS (Japan Oils Chemists' Society)

"Standard Methods for the Analysis of Fats. Oils and Related Materials" research report.

The column chromatography method requires 1 entire day for measurement. It cannot be conducted without the proper reagents, equipment, and facilities necessary for analysis.

The instrument measures the dielectric constant (permittivity) properties within heated cooking oil and fats and converts them into Total Polar Materials (TPM) %. This allows for quick measurements.

The instrument was developed and manufactured through rigorous performance testing, with the aim of establishing a standard unit that produced the measurement values of oils and fats comparable to the amounts of Total Polar Materials

* If you would like case studies for measurement values of oils and fats obtained with the instrument, please feel free to

Acid value is one type of numerical value used as an indicator to quantify the deterioration of cooking oil. It is commonly

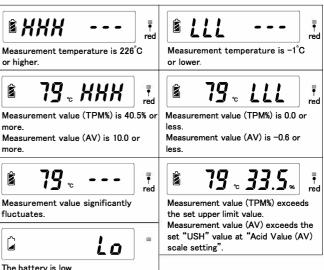
This instrument detects the capacitance of the substances within cooking oil and displays it as acid value (AV). However, the correlation between capacitance and acid value (AV) will somewhat differ, depending on the type of

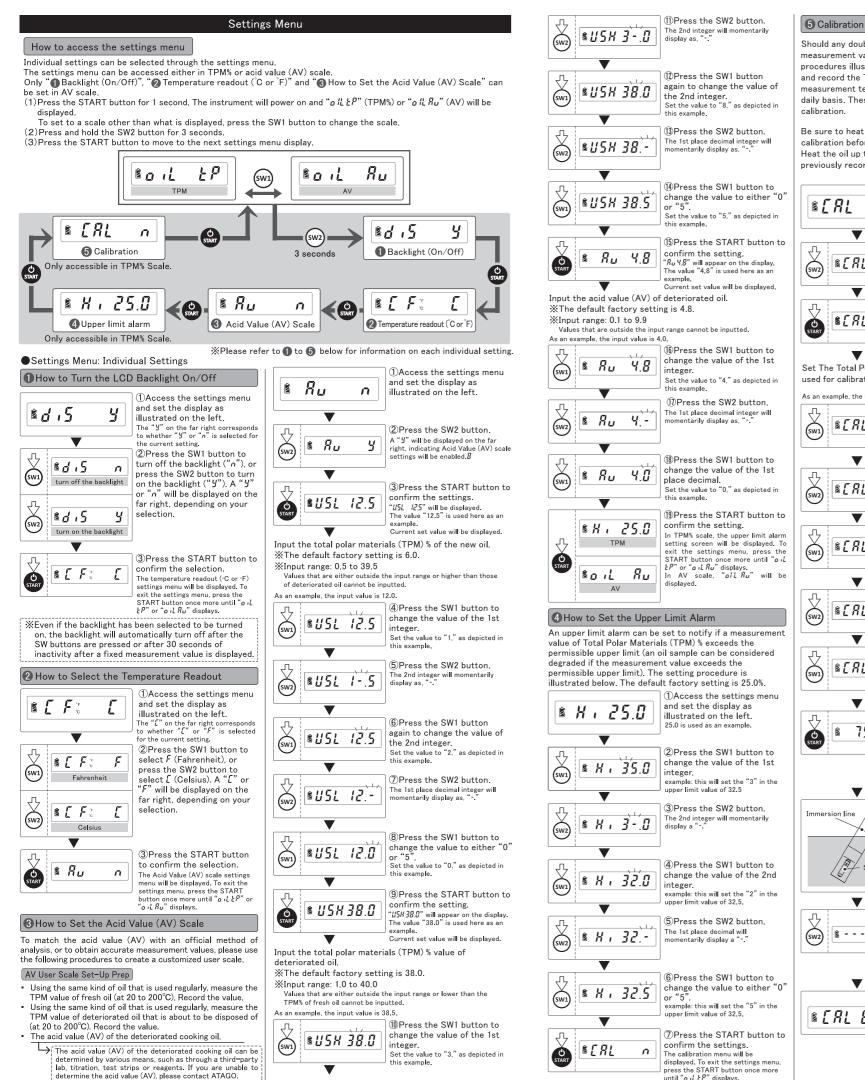
This instrument's acid value (AV) scale is based on the average correlation between capacitance and acid value (AV). If you wish to use the acid value (AV) as a general estimate, or as a quantitative way (with a numerical value) of managing the state of cooking oil deterioration (acid value (AV) will increase as cooking oil continues to deteriorate). the instrument's scale can be used as is (@proceed to the "Measurement Method" section).

However, if you wish to match the acid value (AV) with an official method of analysis, or if you would like to obtain precise and accurate measurement values, create your own customized user scale (@proceed to the Settings Menu

Error Messages

The following messages alert the user when an operation has failed.

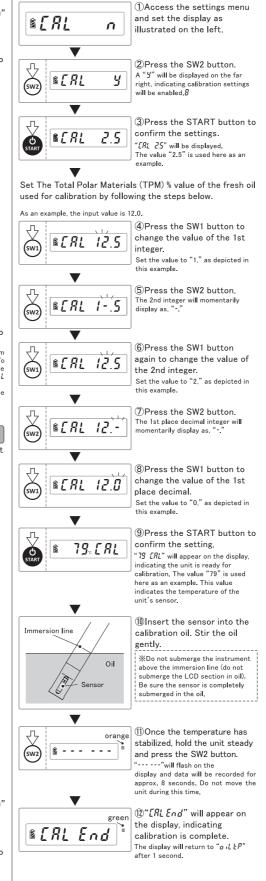




5 Calibration Method

Should any doubts regarding the accuracy of the measurement values (TPM) % arise, follow the calibration procedures illustrated below. Note: Be sure to measure and record the Total Polar Materials (TPM) % and the measurement temperature of the fresh oil you use on a daily basis. These optimum values will be used for Be sure to heat up fresh oil that will be used for

calibration before performing calibration procedures. Heat the oil up to the same optimal temperature as previously recorded.



- Store the instrument in a dry place away from direct sunlight.

Having been disassembled by unauthorized personnel Damages to the sensor Water damage or having been dropped

•Having been misused and/or operated outside the environmental specifications •Leakage from batteries other than those included with the unit

Repair services are available for a fee after the warranty expires Contact an ATAGO authorized service center for service and support.

Please have the serial number information ready when contacting a service center

	Specifi	cations			
Measurement range	Total Polar Materials(TPM) : 0.5 to 40.0%	Power supply	Size AAA alkaline battery $ imes$ 2		
	Acid Value (AV) : 0.00 to 9.99	International Protection class	IP67		
	Temperature : 0 to 225°C/32 to 437°F	Material (Main unit)	DOM-24	SUS316L	
Resolution	Total Polar Materials(TPM) : 0.5%		DOM - 24 Ti	titanium	
	Acid Value (AV) : 0.01		*Battery co	mpartment	SUS303
	Temperature : 1°C/1°F		Sensor cov		SUS316L
Accuracy	Total Polar Materials(TPM) : ±2.0%	Dimensions Weight	ϕ 22mm × 490mm		
			DOM-24	400g(Main unit only)	
	(20 to 200°C)		DOM-24 Ti	291g(Main	unit only)
	Acid Value (AV) : Approx. ±0.2				
	(Varies with user's scale setting.)				
	Temperature : $\pm 1^{\circ}C/\pm 2^{\circ}F$				
Automatic temperature	0 to 225°C				
compensation range	(Accuracy guaranteed from 20 to 200°C)				
	32 to 437°F				
	(Accuracy guaranteed from 68 to 392°F)				

Headquarters . The Front Tower Shiba Koen 23rd Floor 2-6-3 Shiba-koen, Minato-ku Tokyo 105-0011, Japan TEL: 81-3-3431-1943 FAX: 81-3-3431-1945 overseas@atago.net http://www.atago.net

ATAGO U.S.A., Inc.

11811 NE First Street, Suite 101, Bellevue WA 98005 LLS A TEL: 1-425-637-2107 EAX: 1-425-637-2110 customerservice@atago-usa.com

Storage and Maintenance

Clean the sensor before storing the instrument (splease refer to the "Cleaning" section of this instruction manual).

Store the instrument in an area with a stable temperature (between 10 to 40°C).

• Do not use organic solvents (paint thinner, benzene, gasoline, etc.) on the plastic LCD or control panel.

Repair and Warranty

The instrument is warranted for one year from the date of purchase.

This warranty is void if the instrument shows evidence of the following. Send the included batteries as well if they are still in

The product is in conformity with the requirements of the EMC Directive 2004/108/EC.





INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

LLÁMANOS +52(81) 8115-1400 / +52 (81) 8173-4300

LADA Sin Costo: 01 800 087 43 75

E-mail: ventas@twilight.mx





LLÁMANOS +52(81) 8115-1400 / +52 (81) 8173-4300

LADA Sin Costo: 01 800 087 43 75

E-mail: ventas@twilight.mx

www.twilight.mx









/ twilightsadecv