

Oil Content Analyzer **OCMA-500**

■Standard Accessory

Filter element	For water filter, diameter 40 mm, including 5 elements
Dropper	Made of polyethylene, 2.5 mL
Code set	Power supply cable (for domestic us
B heavy oil	10 mL
Instruction manual	OCMA-500
Water absorptive sheet	Liquid tray from extraction tank

Optional parts

Oil extracted solvent	S-316			
Measuring Syringe set (Standard type)	Micro Syringe 25 μL Measuring Syringe (For Sample) 20 mL Measuring Syringe (For Solvent) 10 mL			
Measuring Syringe set (High repeatability type*)	Micro Syringe 25 μL Measuring Syringe (For Sample) 20 mL Measuring Syringe (For Solvent) 20 mL			
Packing	For water filter For extraction tank			
*Measuring is easy because with stopper.				

Oil Content Analyzer **OCMA-550**



Standard Accessory			
per	Made of polyethylene, 2.5 mL		
e set	Power supply cable (for domestic us		
avy oil	10 mL		
uction manual	OCMA-550		

Quartz (20 mm): 1 piece

Cap for cell: 1 cap

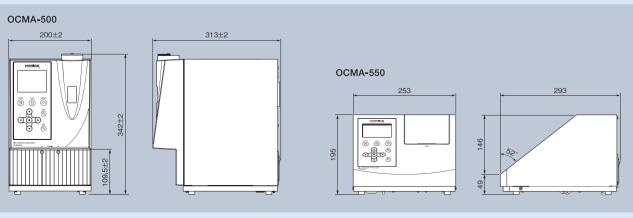
■ Optional parts

	Oil extracted solvent	S-316		
Measuring Syring	Measuring Syringe set	Micro Syringe 25 μL Measuring Syringe (For cell injection) 10		
ı				

In order to measure oil content with OCMA-500 series, you need the following products. For the first purchase customer If you don't have these products, please purchase from optional parts list.



■ Dimensional Outline (Unit: mm)

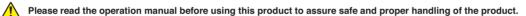


■Specifications

■ Specifications						
OCMA-500	OCMA-550					
Solvent extraction – non-dispersive	infrared absorption analysis method					
Substances extracted from sample water into solvent and having	ng infrared absorption near a wavelength from 3.4 μm to 3.5 μm					
0 mg/L to	200 mg/L					
For mg/L 0 to 99.9	: 0.1, 100 to 200: 1					
0 mg/L to 9.9 mg/L: \pm 0.2 mg/L \pm 1 dig. 10.0 mg/L to 99.9 mg/L: \pm 2.0 mg/L \pm 1 dig. 100 mg/L to 200 mg/L: \pm 4 mg/L \pm 1 dig. *For standard liquids	0 mg/L to 9.9 mg/L: ±0.4 mg/L ±1 dig. 10.0 mg/L to 99.9 mg/L: ±2.0 mg/L ±1 dig. 100 mg/L to 200 mg/L: ±4 mg/L ±1 dig. *For standard liquids					
3.5 inches 320×240 dots E	Backlight color graphic LCD					
Select each optionally zero ca	libration and span calibration.					
2:1 (Sample water : Solvent) —						
S-316 *Do not use any other	er solvent other than S-316.					
8 mL (possible to measure even at 10mL)	Approx. 6.5 mL (Amount of extraction solvent requred)					
Built-in extractor	Using the extraction solvent, and extracted manually outside the product					
0°C to 40°C (no condensation)						
AC 100 V to 240 V	/ ±10%, 50/60 Hz					
AC 100 V: Approx. 60 VA, AC 240 V: Approx. 90 VA	AC 100 V - 240 V: Approx. 60 VA					
342 (H) X 200 (W) X 313 (D) mm	195 (H) X 253 (W) X 293 (D) mm					
Approx. 7 kg	Approx. 5 kg					
Output to a US	B memory stick					
Automatic measurement (automatic switching sequence) and manual measurement after injection of liquid	_					
_	20 mm					
_	Quartz					
300-item data memory (measurement history) Self-error determination Stabilized measurement value display Clock function With backlight for stirred batch tank Unit conversion function	300-item data memory (measurement history) Self-error determination Stabilized measurement value display Clock function Unit conversion function					
	Solvent extraction – non-dispersive Substances extracted from sample water into solvent and havin 0 mg/L to For mg/L 0 to 99.9 0 mg/L to 9.9 mg/L: ±0.2 mg/L ±1 dig. 10.0 mg/L to 99.9 mg/L: ±2.0 mg/L ±1 dig. 100 mg/L to 200 mg/L: ±4 mg/L ±1 dig. *For standard liquids 3.5 inches 320×240 dots E Select each optionally zero ca 2:1 (Sample water : Solvent) S-316 *Do not use any other 8 mL (possible to measure even at 10mL) Built-in extractor 0°C to 40°C (notation of 100 V to 240 V AC 100 V AC 10					







• The contents of this catalog are subject to change without prior notice, and without any subsequent liability to this company.

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Automatic operation with one switch

Compact oil content analyzer OCMA-500 series.

Operability is significantly improved while user-friendly features of the conventional products are maintained as they are.

This machine is easy for anyone to use because all you have to do is press a button.

This can be utilized across wide variety of applications such as drain monitoring and quality control for components.

Easy and speedy measurement for approx. 3 minutes*1

Measurement can be easily made in a short time only by pressing the start button. Measurement time can be significantly reduced in comparison with the n-hexane extraction method. *Excluding time for warming and calibration.



Put sample and solvent into OCMA.*2

1 to 2 minutes Start measurement by the start button.

1 Shortest time. Measurement time depends on quality of sample. *2 In case of OCMA-500. Put extracted sample into the cell to set in case of OCMA-550.

Any oil with low boiling point can be measured

The n-hexane extraction method needs to evaporate solvent and any oil with a low boiling point (toluene, gasoline, etc.) is evaporated along with solvent. The OCMA-500 series does not need to evaporate solvent, preventing evaporation of these kinds of oil.



■ What is the n-hexane extraction method?

Testing method used to measure oil components. Because oil of a low-boiling component such as gasoline or toluene is volatilized, an error may occur if they are included. It is necessary to take note of them when making evaluations.

Improvement of operability

■Color graphic liquid crystal

It is easier to see menu and measurement results because a 3.5 inch color graphic (LCD) is employed.



■Unit conversion function

Indication unit (mg/L, mg/kg, mg/g, mg/PC) can be changed according to the purpose by inputting the measurement conditions.

■USB data output port

It is easy to control data in a personal computer by saving data in a USB memory. *HORIBA recommended USB is available.



Date	Value	Unit	Value(Raw)	Unit(Raw)	Status	Mem
2014/08/01 10:00	0	mg/L	0	mg/L	2	sample
2014/08/01 15:10	3.5	mg/L	3.5	mg/L	0	sample
2014/08/01 15:20	0.8	mg/k	0.8	mg/L	0	sample
2014/08/01 15:30	0.9	mg/g	0.9	mg/L	0	ample
2014/08/03 15:00	0.9	mg/L	0.9	mg/L	0	sample
2014/08/03 15:10	5.4	mg/L	5.4	mg/L	0	sample
2014/08/03 15:20	5.2	mg/L	5.2	mg/L	0	sample
2014/08/08 15:30	4.9	mg/L	4.9	mg/L	0	sample
2014/08/09 16:00	2.1	mg/L	2.1	mg/L	0	sample
2014/08/10 18:00	1.7	mg/L	1.7	mg/L	0	sample
2014/08/10 18:00	1.8	mg/L	1.8	mg/L	0	sample
2014/08/10 18:00	1.7	mg/L	1.7	mg/L	0	sample
2014/08/10 18:00	2.7	mg/L	2.7	mg/L	0	sample

■Multi-language function Japanese, English and Russian languages are available. Each

language can be selected from the screen menu





Output data (reference)

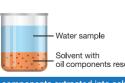
How to measure by OCMA

The OCMA-500 series extracts the oil components contained in a measurement sample into solvent (S-316) to measure the oil content with an IR analyzer.

*Carry out pre-washing for correct measurement.







For measurement of Oil in wastewater Oil Content Analyzer **OCMA-500**

OCMA-500 to measure concentration of oil contained in drainage and environmental water. After injecting the water sample and solvent, all you have to do is press the start button, and the system will automatically conduct the monitoring operation from oil extraction to sample measurement and draining. With no more troublesome operations like opening/closing the drainage valve, monitoring is speeded up.



Feature

■Backlit extraction tank

The extraction tank is equipped with LEDs. Illuminating the tank makes it easy to check the phase separation between sample and solvent and set the extraction time.





■Reduction of environmental impact and running cost

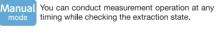
The OCMA-500 cuts solvent consumption by 20% compared with our previous products, reducing environmental impact. It also reduces the running

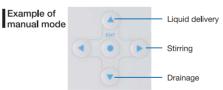


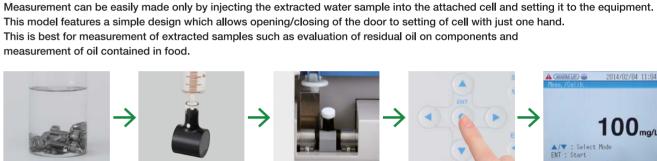
■Measurement mode

Measurement can be switched automatically or









For measurement of

Oil Content Analyzer





OCMA-550 to measure residual oil on components and concentrations of oil adhered on solids such as soil.

Residual oil on components

solvent into cell



3 Set the cell to



(5) Measurement

Feature

■Cell is easily detachable with just one hand

Simple design which allows opening/closing of door and detachment of cell with just one hand. Measurement operation becomes smoother.







■Timer function

A timer function to display a measurement value in a certain amount of time is equipped. This saves work and time required for measurement.



Fully used in various applications





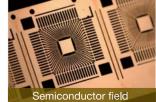




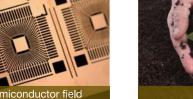
Water quality survey based on environmental standard. For monitoring final discharge from petroleum refinery plant. For oil dispersion research at time of an accident.







For evaluation of degreasing capacity



food (health hazard) and gas (quality

