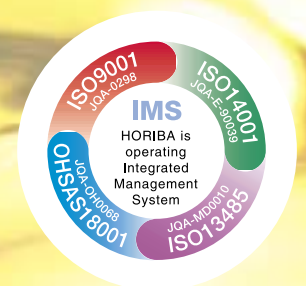


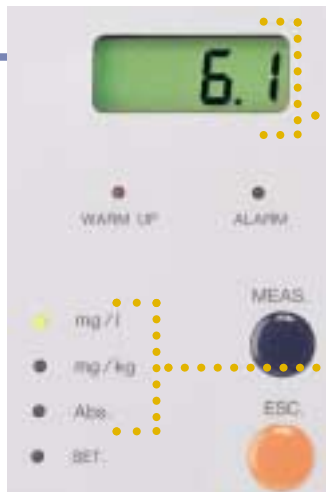
HORIBA

Explore the future

OIL CONTENT ANALYZER OCMA-355

New solvent
Used





Easy-to-read backlit LCD

The backlit LCD is easy to read under any conditions, including bright sunlight. The digital display eliminates individual reading differences.

Three measurement units

The OCMA-355 measures in mg/L for oil in water, mg/kg for oil in soil, and Abs. for the absorbency of oil, so you can always choose the proper unit for your sample measurement.

Cell control

To introduce your sample into the removable cell, just pull the cell out of its holder. It's easy to avoid leaks and spills when you have this much control. The removable cell is also easy to maintain.



Plug it in, and it's on stand-by. The press of just one button starts the measuring process. You can even use your computer to simplify operation.

Press button simply, perfect for field analysis.

Compact and simple, HORIBA's OCMA-355 oil content analyzer delivers quick, accurate measurements in the lab or in the field. It efficiently measures the level of oil in water or soil for environmental applications, checks for residual oil on semiconductor parts which have been cleaned, and measures oil on any industrial surface.

Using the OCMA-355 is almost effortless. Simply inject the extract from your sample, dissolved in HORIBA's H-997 solvent, into the measuring cell, and press one button. You can even use your computer to simplify operation.

Recommended Applications

- Environment: Surveying water quality and hazardous waste sites
- Industry: Monitoring wastewater influent and effluent
- Marine transportation: Checking bilge and ballast discharge
- Petroleum processing: Monitoring the efficiency of oil/water separation processes
- Oil depots: Monitoring the discharge produced when cleaning storage tanks
- Automotive: Monitoring waste-water discharge from service stations
- Quality Assurance: Measuring residual oil on textiles and metal parts.



All the right connections

Each unit is equipped with a printer port and an RS-232C port. Simply connect the OCMA-355 to your printer or computer for remote control of the unit and ready access to measurement data.



The OCMA-355 has various special features to assure accurate measurements.

Stable readout

The unit's data evaluation function analyzes the readings, determines when the value has stabilized, and displays that stable value.

Self-monitoring

Messages on the LCD screen inform you of any electrical malfunctions, irregularities in measurement, and deterioration of parts, so that you can always be assured of proper functioning.

Simplified recordkeeping

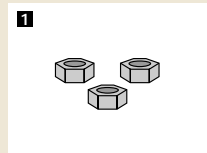
The OCMA-355 keeps a record of the time and date of measurement along with each data set it records. When printing out, it provides you with both the time and the measurement, allowing for easy recordkeeping.



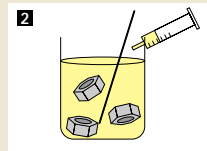
Measurement of residual oil

The OCMA-355 makes it easy to measure residual oil on pre-cleaned parts.

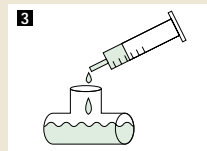
1 Choose a reasonably sized sample



2 Measure out an appropriate amount of solvent, and immerse the parts in the solvent until all the residual oil has dissolved.



3 Introduce the resulting solution to the measuring cell, and set the cell in place.

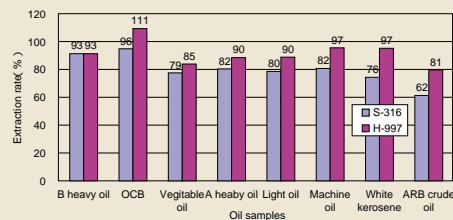


4 Press the start button and wait for the results.

HORIBA's H-997 Solvent

The OCMA-355 uses HORIBA's special H-997 Solvent to extract the oil components from oil in water samples, soil samples, or product surfaces. The extract is measured using IR absorbance, a non-dispersive infrared spectrophotometric technique which is specific to hydrocarbons.

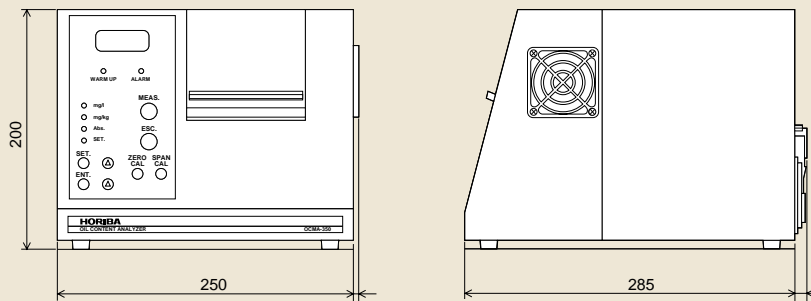
Solvent H-997 has comparable in extractive efficiency for each samples with S-316.



Comparison of extraction rate between S-316 & H-997

Referenced by our internal test
(Calibrated with 100mg B heavy oil/L)

Dimensional Outline Unit: mm (in)



Model SR-305 Solvent Reclaimer (option)

Designed especially for recycling H-997 solvent, it features a 2-layer column of activated carbon and activated aluminum. High capacity, simple operation, and needs no electricity.

Specifications

Application: Oil contamination of fresh and salt water; soil analysis

Principle: Solvent extraction, NDIR analysis (infrared spectroscopy)

Detector: Pyroelectric sensor

Cell: Quartz cell, cell length 20 mm

Measuring range and unit: 0 to 200 mg/L, 0 to 1000 mg/kg, 0 to 1 Abs.

Resolution:

mg/L; 0 to 99.9 mg/L; 0.1 mg/L
100 to 200 mg/L; 1 mg/L

mg/kg; 0 to 9.99 mg/kg; 0.01 mg/kg
9.9 to 99.9 mg/kg; 0.1 mg/kg
100 to 1000 mg/kg; 1 mg/kg

Abs; 0 to 1000 Abs; 0.001 Abs

Repeatability:

mg/L; 0 to 9.9 mg/L; ± 0.4 mg/L ± 1 digit
10.0 to 99.9 mg/L; ± 2.0 mg/L ± 1 digit
100 to 200 mg/L; ± 4 mg/L ± 1 digit
0 to 1 Abs.; $\pm 1\%$ F.S.

Measurement: Manually controlled

Calibration: Automatic calibration after the calibration standard is introduced to the instrument

Extraction solvent: HORIBA H-997 solvent
use only H-997, not other solvent

Sample/solvent volume: Approx. 6.5 mL

Display: Measured value; 3 1/2 digits LCD with backlit

Message: Character display LCD with backlit (16 x 2 characters)

Functions: Self diagnostics, Auto hold function, Calendar clock

Output: RS-232C and centronics printer port

Ambient temperature: 0 to 40°C

Power requirement: 100 to 240 V AC $\pm 10\%$, 50/60 Hz, 60 VA

Dimensions: 250 (W) x 285 (D) x 200 (H) mm
9.8(W) x 11.2(D) x 7.8(H) in

Mass: Approx. 5 kg/11lb

Horiba continues contributing to the preservation of the global environment through analysis and measuring technology.



Please read the operation manual before using this product to assure safe and proper handling of the product.

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