

Oil Content Analyzer

Horiba Oil Content Analyzer Series

Item Number: OCMA-350

Compact and simple, Horiba's OCMA-350 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-350 is almost effortless. Simply inject the extract from your sample, dissolved in Horiba's S-316 solvent, into the measuring cell, and press one button. You can even use your PC to simplify operation.

Features

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 record keeping

The OCMA-350 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 record keeping.

Applications

Environment:	Surveying water quality and hazardous waste sites
Industry:	Monitoring waste water 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



Specification

Model	OCMA-350	
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 20mm	
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 10.0 to 99.9 mg/kg; 0.1 mg/kg 100 to 1000 mg/kg; 1mg/kg
	Abs	0 to 1.000 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
	Abs	$\pm 1\%$ F.S.
Measurement	Manually controlled	
Calibration	Automatic calibration after the calibration standards is introduced to the instrument	
Display	Measure value	3 1/2 digits LCD with back-light
	Message	Character display LCD with back-light
Output	RS-232C and centronice printer port	
Ambient Temperature	0 to 40°C	
Power Requirement	100 to 240 VAC $\pm 10\%$, 50/60 Hz, 60VA	