



HINOTEK GROUP LIMITED

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Infrared Spectrometric Oil Detector, Infrared Oil Content Analyzer, BK-IOCA

Introduction:

It can be applied to monitor the oil content in surface water, ground water and industrial effluent, and the oil of catering industry, oil content of solid. It is the professional instrument to monitor the oil content of water, gas, solid.

Features:

1. Integration optics system, spectral before absorption, high signal-to-noise ratio.
2. Software can be adjusted and corrected automatically.
3. Direct reading function of non-dispersive measurement results, with mathematical statistics, spectral display and storage printing function.
4. It can be used to measure the purity of organic materials, such as CCl_4 .
5. RS232 or USB2.0 interface.
6. Use S-316, C_2Cl_4 , $\text{CCl}_2\text{FCClF}_2$, and other non-carbon chlorinated organic solvent as extractant.



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Technical Parameters:

Model	BK-IOCA
Measurement Range	0.2~100mg/L
Detection Limit	<0.15mg/L(CCl ₄ extract,5cm quartz cuvette) <0.002mg/L(Water samples,using extraction ratio 100:1, 5cm quartz cuvette)
Max. Measured Concentration	64000 mg/L
Measurement Accuracy	±2%(C=40mg/L)
Repeatability Accuracy	<2% (for 20~40mg/L oil sample)
Linearly Dependent Coefficient	R>0.999
Wavelength Range	3400cm ⁻¹ ~2400cm ⁻¹ (2940nm~4167nm)
Wavelength Accuracy	±2 cm ⁻¹
Wavelength Repeatability	±2 cm ⁻¹
Absorbance Range	0.00000~3.00000AU
Sample Analysis Time	Full spectra scan, 30s/time; Fixed several times scan, 10s/time; Non-dispersed infrared method, 2s/time.
Blank Solvent Zero Setting	Automatic
Environment Requirement	5°C~35°C, 20%~85%RH, no acute shaking, no strong electromagnetic field interference, no corrosive gas.
Power Supply	AC110/220V±10%, 50/60Hz
External Size(L*W*H)mm	550*380*150
Package Size(L*W*H)mm	650*480*250



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Gross Weight(kg)	17.5
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