

INFRARED OIL ANALYZER CODE FTI-WY900

- For measuring oil content in industrial wastewater and domestic sewage
- Adapting reagents: tetrachloroethylene, tetrachlorocarbon
- Built-in coefficient, standard curve and single-point calibration for diverse operating environments
- Adopts electrically modulated light source technology to extend light source service life
- Real-time automatic zero calibration to eliminate the effects of baseline drift and improve signal stability
- Full spectrum scan is completed in 30s, and non-dispersive scan is supported at 2s/scan



SPECIFICATION

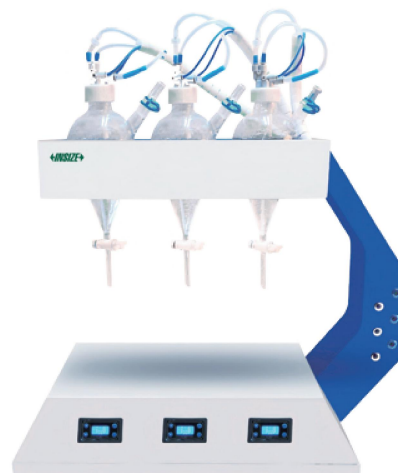
Light source lifetime	more than 5,000 hours
Method detection limit	when the sample volume is 1,000mL and the extraction volume is 25mL, LOD is 0.01mg/L
Instrument detection limit	DL≤0.04mg/L (3 times the standard deviation (SD) from 11 replicate measurements of perchloroethylene blank solution)
Repeatability	RSD≤0.6%, for 11 determinations of a 30~40mg/L oil standard sample; RSD≤5%, for a 0.5mg/L water sample
Accuracy	≤3%
Accuracy of correction coefficient	±10%, using tetrachloroethylene as the reference solution and a 40mm cuvette, measure the following petroleum standard solutions: 2mg/L, 5mg/L, 20mg/L, 50mg/L, and 100mg/L
Scan speed	full-spectrum scanning, 30 seconds per time
Measurement range	0.0~800mg/L
Min. detectable concentration	0.01mg/L (concentration in the water sample)
Max. measurable concentration	640000mg/L (concentration in the water sample)
Linearly dependent coefficient	r>0.999
Wavenumber range	3400cm ⁻¹ ~2400cm ⁻¹ (2941nm~4167nm)
Wavelength accuracy	±2cm ⁻¹
Wavenumber repeatability	≤2cm ⁻¹
Absorbance range	0.0000~2.0000AU (transmittance of 100~1%T)
Work environment	-5~35°C, 20%~80%RH
Power supply	220V, 50Hz, 50VA
Dimensions (L×W×H)	450×310×140mm
Net weight	12kg

STANDARD DELIVERY

Main unit	1 pc
Cuvette (40mm)	2 pcs

OPTIONAL ACCESSORY

Computer	ISD-TM-COMPUTER-E
Automatic extraction device	FTI-WY900-EB



automatic extraction device
(optional)