



# **Oil And Grease Analyzer LOGA-A10**

Oil and Grease analyzer LOGA-A10 is a tabletop unit designed with dismountable integrated optical system and electrical modulation source. It has a sample testing range of 0.12 mg/L to 100 mg/L and measurement limit of 0.12 mg/L. Equipped with self-contained electrical and optical system and lock-in amplifier circuit for signal sensor. Integrated with hard disk to save test data and spectrograms. Features auto reset and regression equation calculation function.

## Features

- ❑ Uses Infrared spectroscopy principle for sample analysis
- ❑ Dismountable integrated optical system with good stability and high SNR
- ❑ Electrical modulation that reduces the intensity of the heat source to facilitate system cooling
- ❑ Sensor signal with lock in amplifier circuit thus improves the analyzer's SNR
- ❑ Can be used as an infrared spectrophotometer
- ❑ Carbon tetrachloride can be replaced by tetrachlorethylene extraction agent
- ❑ Self-contained optical system and electrical system
- ❑ High speed measurement, just takes 30 seconds to finish a test
- ❑ Built-in auto reset and regression equation calculation function

## Application

Oil and Grease analyzer is widely used to monitor oil content of surface water, ground water, industrial effluent, and oil content of solid.

## Specifications

| Model                               | LOGA-A10                                       |
|-------------------------------------|--|
| Measurement Range                   | 0.12 to 100 mg/L                               |
| Measurement Limit                   | < 0.12 mg/L                                    |
| Max. Measured Concentration         | 64000 mg/L                                     |
| Repeatability                       | ≤ 1 %  |
| Environmental temperature           | 5 °C to 35 °C                                  |
| Environmental humidity              | 20 % to 80 % RH                                |
| Linearity                           | $R \geq 0.999$                                 |
| Wave number range                   | 3400 $\text{cm}^{-1}$ to 2400 $\text{cm}^{-1}$ |
| Absorbance range                    | 0.0000 to 3.000 AU                             |
| Power supply                        | 220 V $\pm$ 22 V / 50 Hz $\pm$ 1 Hz 35 VA      |
| Dimension (L $\times$ W $\times$ H) | 550 $\times$ 380 $\times$ 150 mm               |
| Weight                              | 15 kg  |