

# Engineering Specification for Lab Oil-in-Water Analyzer

(Arjay FluoroCheck)

edited 2019/09

The ppm (mg/l) Oil in Water Monitor shall be a benchtop style meter using a fluorescent technology that is selective to hydrocarbons in water. The operating range shall be 0 to 100 ppm (mg/l). The unit shall be able to read a direct water sample to screen for hydrocarbons. A solvent extracted sample shall be used for accurate indications of oil in water with 0.1 resolution.

The unit shall correlate well with EPA 1664 Rev A and ISO 9377-2 Analytical Methods.

The sample cuvetts and pipets shall be disposable to eliminate cross contamination. A solvent dispenser with preset volume injection and a timer shall be provided to ensure consistency of sample preparation.

The unit shall have an available calibration library of up to 10 different calibrations. Each calibration curve entered by the user shall have up to 5 calibration points available for improved accuracy.

The controller shall provide a 4-line LCD display of ppm or mg/l concentration. The display will also advise of diagnostic and control functions.

The meter shall be compact and powered by 12 vdc supplied by a 100-240 vac power transformer or other field mobile source

The unit shall be manufactured in an accredited ISO 9001 facility and have a CE Declaration.

The system shall be as the FluoroCheck from Arjay Engineering Ltd.