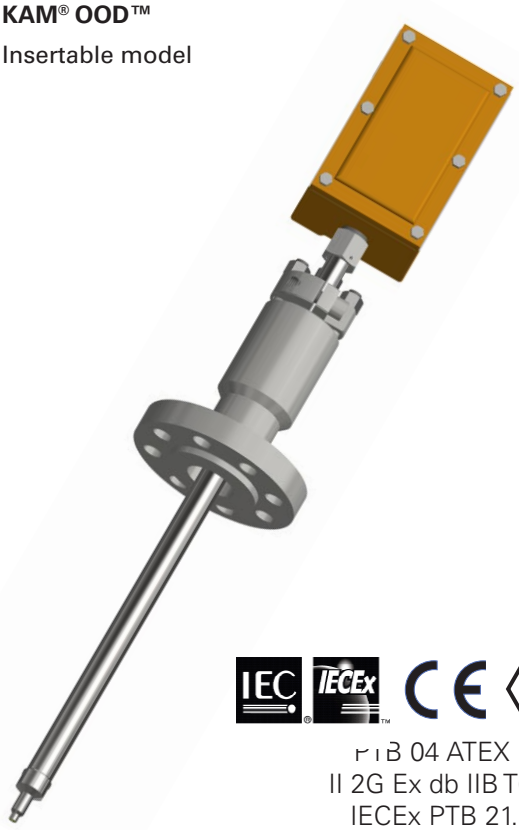
Kam OOD™
Optical Oil Detector

Kam® Simple Precision™

KAM® OOD™
Insertable model



PTB 04 ATEX 1027
II 2G Ex db IIB T6 Gb
IECEx PTB 21.0012
Ex db IIB T6 Gb

The ideal solution for oil-in-water detection, the KAM® OOD™ Optical Oil Detector offers unmatched simplicity and pin-point accuracy in an in-line meter. The OOD™ allows operators to monitor produced water and wastewater streams for the presence of hydrocarbons in a variety of applications, providing continuous, real-time data with a minimum range of 0-100 ppm, maximum 0-5000 ppm. Fiber optics within the optical probe respond to the fluorescence and absorption in the fluid to detect the presence and quantity of hydrocarbons in water. The combined data is translated as voltage on a 4-20 mA output or via MODBUS.

The simplicity of design and quality of engineering employed in the KAM® OOD™ mean there are no moving parts. Using long-lasting LED light sources ensures longterm, stable performance with limited maintenance and power requirements. In addition, locating the electronics within an explosion-proof enclosure directly on the atmospheric end of the optical probe creates a complete and compact unit with maximum installation flexibility.

Measurement is completely automatic without the need for operator intervention or supervision, and the output signal can be sent to the SCADA, PLC's, or to a Central Control Room for logging or display on chart recorders or monitors.

KEY FEATURES

- Optic design minimizes effects of temperature/density/salinity
- LED's for long-term performance with minimal power and maintenance requirements
- No moving parts for limited maintenance
- Insertable type for routinely cleaning lens without having to shut down
- Can be installed on a main pipeline
- Output can be sent to SCADA, PLC, etc.

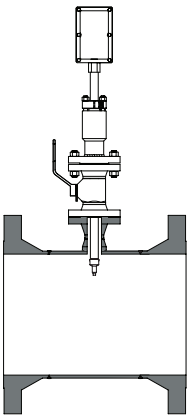
APPLICATIONS

- Wastewater
- Leak detection
- Bilge water
- Storm water
- Produced water
- 3-phase separator

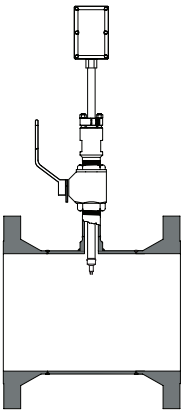
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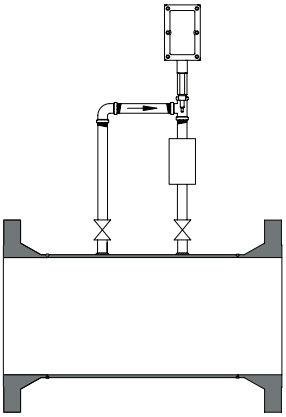
AVAILABLE MODELS and MOUNTING OPTIONS



Insertable OOD™
on a main pipe,
with 2″, 3″, or 4″ flanged seal housing



Insertable OOD™
on a main pipe, with
2″ MNPT seal housing**



Flow Through OOD™
on a densitometer loop,
with 3/4″ or 1″MNPT

SPECIFICATIONS

Min. Range:	0-100 ppm*
Max. Range:	0-5000 ppm*
Accuracy:	± 1% of full range*
Min. resolution:	5 ppm
Material:	Wetted parts–316** stainless steel Electronics enclosure–Copper-free aluminum
Power:	12–24 VDC 15 Watts max
Output/comm:	4-20 mA/RS485 MODBUS/HART
Fluid temperature:	-40° to 200°F (-40° to 95°C)
Electronics temp.:	-4° to 140°F (-20° to 60°C)
Pressure ratings:	ANSI 150, 300, 600, 900 Threaded models (3/4″, 1″ MNPT designed to a maximum working pressure of 3000 psig
Hazardous area:	PTB04 ATEX 1027 II 2 G EEx d IIB T6 IECEx PTB 21.0012 Ex db IIB T6 Gb
Mounting:	2″ MNPT Seal Housing** 2″, 3″, or 4″ Flanged Seal Housing 3/4″, 1″ MNPT for analyzer loops
EX enclosure:	4.6″ x 7.1″ x 5.4″ (117 mm x 180 mm x 137 mm)
Shaft length:	12″ to 60″
Pipe size:	3/4″ to 48″

* Range and Accuracy are hydrocarbon dependent- consult factory for details regarding your application

** Seal Housing for 2″ MNPT Models are Carbon Steel.

FOR MORE INFORMATION ON KAM PRODUCTS
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F: +1 713 784 0001
E: sales@kam.com

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