



KAM® OID™  
with 2" MNPT seal housing



1" MNPT model for  
analyzer or densitometer  
loop (3/4" also available)

## KAM® OID™ OPTICAL INTERFACE DETECTOR

**Like eyes in the pipe, the KAM® OID™ Optical Interface Detector is the perfect instrument to measure product interface and monitor pipeline transmix, reducing contamination and downgraded fuels.** The simplicity of design and quality of engineering employed in the OID™ detector mean there are no moving parts. Fiber optics within the patented optical probe respond to the absorption, fluorescence, and refractive properties of the fluid which is turned into an analog signal, or "optical signature."

**Measurement is fully automatic** without the need for operator intervention or supervision. 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.

**Placing a preview OID™ sensor upstream and another at the station gives you the time and intelligence regarding the interface to always make the most advantageous cut.**

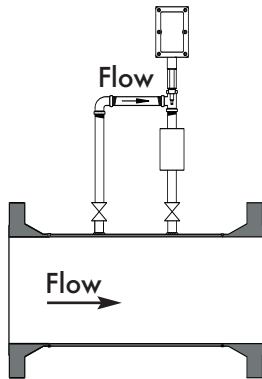
The KAM® OID™ sensor can be installed in an analyzer loop or in the main line, and because it's easily mounted through a full-opening ball valve, you can **insert or retract the probe without having to ever drain the pipe.**

### Lifetime Service

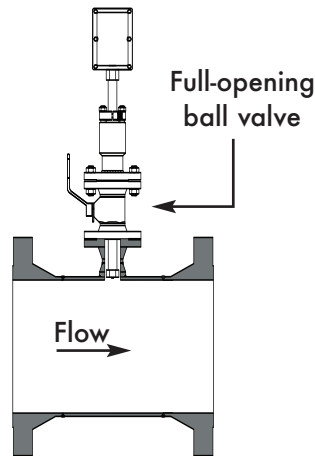
All KAM® products are backed with lifetime service. Send questions/issues to: [AskAnEngineer@KAM.com](mailto:AskAnEngineer@KAM.com) and we will send an answer or an engineer on site if necessary.

Email [Sales@Kam.com](mailto:Sales@Kam.com)  
Tel +1 713 784 0000  
Fax +1 713 784 0001

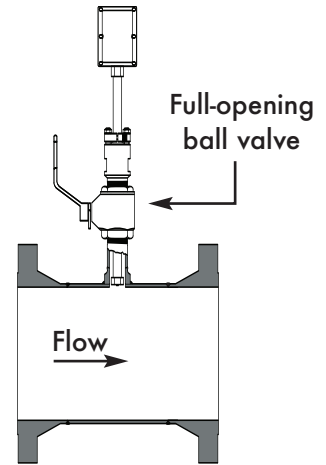
[www.KAM.com](http://www.KAM.com)



Option 1: Fixed-mount OID™ on a densitometer loop, with 3/4" or 1" MNPT



Option 2: Retractable OID™ on a main pipe, with 2", 3", or 4" flanged seal housing



Option 3: Retractable OID™ on a main pipe, with 2" MNPT seal housing

## KAM® OID™ OPTICAL INTERFACE DETECTOR

### SPECIFICATIONS

Media:	Refined products
Material:	Wetted parts-316 stainless steel
Power:	12-24 VDC 15 Watts max
Output:	4-20 mA
Fluid temperature:	-40° to 160°F (-40° to 70°C)
Electronics temp.:	-40° to 160°F (-40° to 70°C)
Pressure ratings:	ANSI 150, 300, 600, 900 Threaded models (3/4", 1", 2" MNPT) designed maximum working pressure of 3000 psig
Mounting:	3/4" and 1" MNPT 2" MNPT Seal Housing 2", 3", or 4" Flanged Seal Housing
EX enclosure:	3" x 6" x 3" (76mm x 152mm x 76mm)
Shaft length:	12" to 60"
Pipe size:	3/4" to 48"
Weight:	from 10 lbs. (4.5kg)

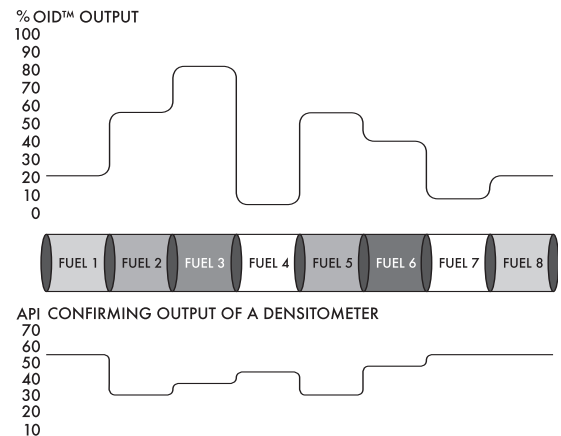
### FEATURES

- User friendly
- Low power
- Explosion proof
- Low maintenance
- Lens cleans in place

### APPLICATIONS

- Batching
- Interface
- Production
- Transmix/regrade reduction
- Quality control

### KAM® OID™ AND API GRAVITY FOR PIPELINE PUMPING SEQUENCE



### ORDERING YOUR KAM® OID™

KAM - OID - XX" - X"XXXX

Manufacturer    Product Name    Shaft Length    Mounting