



## TRUCK LOADING AND UNLOADING THE KAM<sup>®</sup> OWD<sup>®</sup> OIL WATER DETECTOR

**PROBLEM:** The previous method for monitoring water percentages in crude unloading and loading was by product sampling. Sampling is expensive, time consuming, vulnerable to inaccuracies, and in the case of manual tank gauges, extremely dangerous. During unloading, sample data arrives long after the truck has left the station, leaving refineries to store then separate excessive quantities of water.

**SOLUTION:** Placing a KAM<sup>®</sup> OWD<sup>®</sup> on the incoming line provides real-time, highly accurate measurement of water percentages. The immediacy of the data enables operators to reject or divert to a separate holding facility loads with unacceptable water content. It also enables automatic ticketing, and reduces or eliminates the need for sampling. When paired with a flow meter, the OWD provides a true, net-oil/net-water solution. For truckers during loading, an OWD provides the necessary data to make far more informed decisions regarding location/pickup management.

### SAVE TIME AND MONEY

- Real-time monitoring of water levels in incoming crude
- True Net Oil/Net Water solution when paired with a flow meter
- Can be used to first establish then apply "Industry Best Practices" for crude unloading
- Eliminates the need for random delivery sampling
- Helps prevent paying for water versus crude
- Prevents costly shut downs and disruptions due to high water
- Forces third-party truckers to gauge water levels prior to loading

### KEY KAM<sup>®</sup> OWD<sup>®</sup> ADVANTAGES

- Electronics and sensor housed in a single unit for more flexible and simpler installation
- Automatically corrects for effects of density, sulphur, temperature and salinity
- Pressure rated up to ANSI 2500
- All requisite electronics housed within unit and included in unit price



**KAM<sup>®</sup> OWD<sup>™</sup>**  
**OIL WATER DETECTOR**  
on 2" seamless pipe with  
weld-neck flanges; Integrated  
KAM<sup>®</sup> SMS<sup>®</sup> Static Mixing Spool;  
1/2" sample valve with  
1/2" pitot probe

**INTEGRATED KAM<sup>®</sup> SMS<sup>™</sup>**  
**STATIC MIXING SPOOL**



**KAM<sup>®</sup> OWD<sup>™</sup>**  
**OIL WATER DETECTOR**  
Insertable model also available  
with 2" MNPT seal housing or  
2", 3", or 4" flanged seal housing.

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## THE KAM<sup>®</sup> OWD<sup>®</sup> OIL WATER DETECTOR

