



# ACE INSTRUMENTATION

DNV Clean Design Certified

Introducing The World's ONLY  
DNV Clean Design Certified  
5 PPM Bilge Alarm

## TD-107<sup>5.0</sup> OIL CONTENT MONITOR



### FLUORESCENCE DETECTION TECHNOLOGY

- FLUORESCENCE detection technology is resistant to interferences from turbid or dirty water that impact light scatter devices.
- Substances such as sediment and rust do not materially interfere with the detection of oil in water.
- FLUORESCENCE detection ensures that the Oily Water Separator is not 'fooled' into staying in recirculation mode by false positives caused by silt and other solids
- Features self-compensating electronics that corrects for fouling of the sample cell, along with a Cell Condition Monitor to alert crew when cleaning is required Simple and easy maintenance
- Includes standard alarm relays and 4-20mA output for remote monitoring, along with user-friendly USB data port for review of recorded OCM data



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TD107 OCM SPECIFICATIONS	
Operational Principle	UV Fluorescence
Detection Range	0-100ppm, higher ranges available
Response Time	2.5 seconds
Power Requirements	20-250 VAC or DC, 50/60Hz, 2 A
Weight	12lbs
Control Input	Bilge Separator, Status-Continuity or 3-28 VDC, 100UA Sample Flow Status-Continuity or 3-28 VDC, 100UA
Control Output	High Alarm: SPDT Relay Contact, Rated 240 VAC, 6A, 50/60 Hz or 28 VDC Early Warning Alarm: SPDT Relay Contact, Rated 240 VAC, 6A, 50/60 Hz or 28 VDC Zero Alarm: SPDT Relay Contact, Rated 240 VAC, 6A, 50/60 Hz or 28 VDC System Alarm: SPDT Relay Contact, Rated 240 VAC, 6A, 50/60 Hz or 28 VDC Cell Condition Alarm: SPDT Relay Contact, Rated 240 VAC, 6A, 50/60 Hz or 28 VDC
Data Output	All data and events- 18 months, USB Data Key
Outputs	4-20mA Powered, 500ohm. Max Impedance
Mounting & Plumbing Hardware	316 SS
Pressurized Sample Return	Yes, or Unpressurized to Drain
Typical Flow Rates	100ml - 4L per minute
Min/Max Sample Pressure	5psig/100psig, 0.35barg/6.9barg
Max Sample Temperature	140 F or 60 C
Ambient Operating Temperature	32 F-120 F, 0 C-49 C
Calibration	Factory 2 year standard
Electronics Cabinet	Stainless Steel
Certifications	Det Norske Veritas' Type Approval Programme 771.61 5 ppm Bilge Alarms



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