

G26 Oil Mist Detector from Green Instruments

Most oil mist fires are preventable!

The International Maritime Organization (IMO) recognizes the extreme danger of oil mist fires in vessels: ISO 16437:2012

“The majority of fires which have occurred in engine rooms are generally caused by a leak or fracture from a flammable liquid system. Most engine room fires begin as a result of the ignition of oil mist.”

Oil mist may also form when oil (fuel, lube or hydraulic) contacts a hot surface causing the oil to vaporize. Oil mist is small, with droplets in the 1-10 micron range and tends to disperse evenly in the air. It has a very large surface area and a low flash point temperature which makes it very flammable when sufficient quantities are present.

The G26 oil mist detector is designed to give an early warning when small mounts are present, in order to give the crew enough advanced notice to take care of the problem before a fire can start.

How does it work?

The G26 is a line-of-sight opacity meter utilizing a green laser which is transmitted to a reflector and back to a receiver; a double pass method for monitoring the presence of oil mist in engine rooms and machinery spaces. The qualities of this laser are precisely known and any variance is immediately registered. Once the set threshold is reached a warning is sent to the bridge. The G26 is fully adjustable and is programmed to respond to mist levels between 1– 100%; a 5% warning and 10% alarm is a standard setting. The maximum scanning distance between the transceiver and reflector is up to 15 meters/50 feet.

One control unit can accommodate up to 8 transceiver/reflector units making the most of your investment. The G26 easily integrates into the vessels current Modbus cabling system.

The G26 also detects the presence of smoke and can alert the bridge before standard smoke detectors do.

Fully certified and type classed by Classification Society DNV-GL.

Call us to learn more.

We provide demonstrations in the South Florida area.

(954) 646 7633
www.aquaventures.net
info@aquaventures.net



Aquaventures, Inc.

