



The New OR 52. Reliable Monitoring
of Water and Condensate Systems.





The new GESTRA oil and turbidity detector ensures continuous monitoring of water and condensate systems to detect any penetration of oils, greases or emulsions at an early stage, thereby preventing possible malfunctions of the plant. Two freely adjustable limits can be used to trigger delayed alarms. The benefit for you: the system can be configured individually for each application and is versatile in use.

The New GESTRA Oil and Turbidity Detector OR 52

Thanks to its high switchpoint accuracy, the new oil and turbidity detector is reliable and precise in operation. Countermeasures can be taken more rapidly, and false alarms are excluded. In addition, the new OR has a very low reset hysteresis, which permits a fast return to the normal state and prevents an unnecessary loss of medium.

Applications

Condensate monitoring in steam boiler plants for the penetration of oil and grease as per TRD 604; monitoring of transparent liquids for turbidity (version for use in Ex zone 1 on request); oil content meter (15 ppm alarm) for oil separators on seagoing ships in accordance with the IMO and Directive 96/98/EC (MED); for raw water monitoring and water treatment plants.

Spector Compact:
*economical operation
with the highest level of
safety and reliability*



A unit from the SPECTOR Compact family

*The GESTRA oil and turbidity detector is available in two versions:
Type OR 52-5, consisting of measuring sensor ORG 12 in
standard grey cast iron with the measuring transducer ORT 6
Type OR 52-6, consisting of measuring sensor ORG 22 in stainless
steel with the measuring transducer ORT 6*



The Benefits of the System

Great convenience:

- ▶ Clear indication of actual value, limit value, and unit malfunction
- ▶ Easy handling and installation
- ▶ Two freely adjustable limits
- ▶ Cleaning possible without removal of the unit
- ▶ Can be adapted to changing operating conditions
- ▶ Discrimination of internal malfunctions

High safety and reliability:

- ▶ Proven electronics from the SPECTOR Compact series
- ▶ Measurement range 0–25 ppm
- ▶ Two variable relay time-delays
- ▶ High switchpoint accuracy
- ▶ Robust opto-electronic measurement principle
- ▶ Fluid temperature range 0–120 °C
- ▶ Resistant to vibration

Optimized plant efficiency:

- ▶ Very low reset hysteresis
- ▶ Requires little space for installation

Type approvals:

- ▶ GL (Germanischer Lloyd), for condensate monitoring on ships
- ▶ TÜV type approval for condensate monitoring in shore-based plants, on the basis of WÜ 100
- ▶ Type approval for 15 ppm oil-content alarm as per IMO by See-BG (bilge oil)
- ▶ EC type approval as per Directive 96/98/EC (MED) by See-BG



With Energy into the Future

Further information on the GESTRA range is available for download free of charge at: www.gestra.de

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