

**Process optimization and quality assurance
by continuous and reliable water content
measurement with LIEBHERR
Litronic -WMS / FMS II.**

Job- Report

For most of all production and refinement processes in the (petro-) chemical industry field the exact observing and controlling of the medium water content is decisive for the quality of the finished product. The wide range of installations includes different applications:

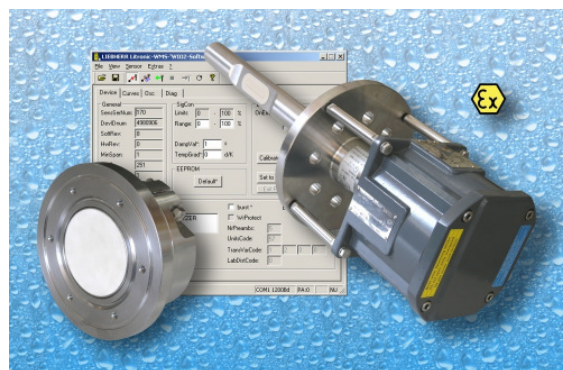
- Installations in oil refineries (e.g. monitoring of dewatering tanks).
- Pipes, loading stations.
- Oil separator plants, (bio) diesel plants.
- Central lubrication oil plants.
- Paint & colour, solvents, ethanol.
- Waste oil monitoring.
- Many other emulsions...

Application:

- Water content detection in raw medium and finished products.
- Measurement in different production plants (e.g. pipes and tanks).
- Monitoring and controlling of production processes.
- Implementation of the water content value in control systems.

Selection / Solution:

- Looking for and fixing of a good installation place.
- Is there a Gas Ex Atmosphere at the installation place?
- Selection of suitable sensor and equipment.
- Installation at measurement point with data recording.
- Parameterization with start-up direct at the plant.
- Data transfer of measurement values to control system.



Litronic-WMS:
Sensor, electronic module and software.

Customer`s benefit:

- Exact observation of water content (optional: measured value display).
- Quality and process safety.
- Process monitoring, -controlling and analysis.
- Fully automatic production lines.
- Transparency by recording of all data.

Installation examples:



WMS shaft sensors for Ex areas.



*FMS II sensors for emulsions
without Ex protection .*

Upon request we would be glad to send further information or references.