

# Reliable water concentration measurement

Litronic-FMS 3K / RMH12

## LIEBHERR

Liebherr-Mischtechnik GmbH



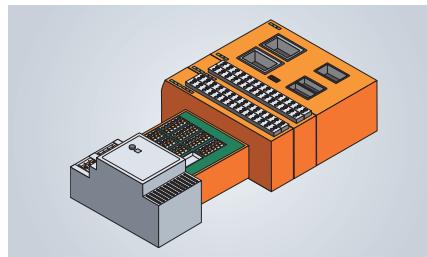
# Litronic-FMS 3K / RMH12 Applications



Litronic-FMS 3K / RMH12 sensor integrated in a test and a laboratory plant to monitor the demulsification capacity of a diesel fuel filter.

The Liebherr in-situ-water determination with Litronic-FMS 3K / RMH12 records the water content (determining the concentration) also for very low ppm ranges in emulsions like:

- Diesel fuel
- Gear oil
- Hydraulic oil
- Motor oil
- Roller bearing oil
- Transformer oil
- Turbine bearing oil
- Battery systems
- etc.



## Coaxial tube sensor RMH12

- Direct digital measurement
- 30 measurements per second
- High-resolution temperature measurement and temperature compensation of emulsion
- Coaxial condenser made of ceramic
- High-quality stainless steel housing
- Resistant against aggressive liquids and oils
- Easy process connection (Ermeto screw connection)
- Digital measured value transistors
- Up to 4 sensors per interchange and evaluation unit
- Max. pressure 6 bar
- Medium temperature max. 60 ° C

## Litronic-FMS 3K evaluation and interchange Unit

To record, process and prepare the measured values from the sensor:

- Parameterization and calibration (Litronic-FMS software)
- Adjustable measurement range
- Ethernet connectivity
- Graphic visualisation
- Mounting on standard mounting-rail TS35 for easy switch cabinet mounting

## Litronic-FMS 3K software

- Visualisation
- Graphic chart recording
- Parameterization
- Calibration
- Cross-linking of sensor data
- Math module, junction of measured values
- Determination of statistic data
- Data logging

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