

we create solutions

aquasant 

INTERFACE LEVEL



mipromex[®]
continuous
Interface measurement

Quantify the invisible, interface level

The interface measurement unit mipromex® MIQ or MIL combined with a bar probe STM monitors the continuous separation of the interface layer at the bottom of the separation tank. The high resolution guarantees safe monitoring of the interface level. The impedance measuring principle ensures a reliable measurement of all products, even with organic impurities or emulsions.

- You have a continuous separation process in a single or multi-purpose installation
- The measurement values of both phases are rather similar
- There is a thick emulsion layer
- The total fill level requires monitoring
- You want to detect when there is an unpredicted phase reversion
- You want to avoid complex, time-consuming parametrization and measurement assessment during product changes

Liquid/ Liquid-phase separation

- Application for the universal mipromex® type: MIQ 8xxx or MIL 8xxx for bar probe
- Continuous interface separation in decanters and reactors
- Level measurement or interface layer monitoring with second measurement input of mipromex® MIQ8260



Even today, the interface measurement ...

... of two non-miscible liquids, as found after extraction or as a result of a chemical reaction, can be problematic. As a consequence of heavy contamination, rather similar densities or emulsions, automatic processes can be delayed by manual separation.

Use the 8xxx series mipromex® MIQ / MIL interface measuring system with product measured value management and high-resolution impedance measurement with standardized measuring signal.

With product measured value management, multi-purpose systems can select up to seven different phase combinations via the digital inputs from the process control. The self-monitoring evaluation units MIQ / MIL ensure safe, fully automatic separation.

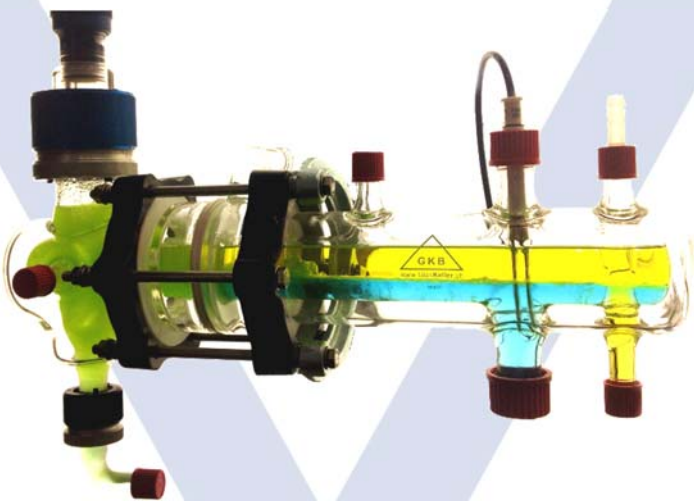
The scale-up from laboratory to production accompanied by the Aquasant probe technology saves you money.

The use of small interface glass probes in the mixer-settler sets the standard of today's technology.

Description

The interface measuring device type MIQ or MIL 8130 processes the digital measuring signal transmitted by the measuring electronics MTI. The intrinsically safe power supply of the measuring electronics in the connection head takes place via the 2-wire cable.

Pulse, percentage or mA signal are shown on the display alternatively. As an output there is an analog signal (4 ... 20 mA) corresponding to the measured value as well as two relay outputs.



Application mipromex® MIQ/MIL 8xxx in the overview

The mipromex® MIQ 8130/8260 or MIL 8130 offer a high level of security. The self-monitoring system for continuous interface measurement also deals with its phase separation.

- Ready to use from factory
- High accuracy of separation
- High level of safety
- Fail-safe management
- Easy commissioning through guided menu process
- Time savings in multi-purpose installations
- Safety through self-monitoring
- Higher system availability
- Cost savings
- Product measuring value management

With our separation layer probes in customized variations, it is possible to directly measure the separation layer in the reactor or separator outlet. For outdoor installations, the Exd housing IP68 is recommended. Versions with cooling gills can be used up to 170 ° C.

The automation of the continuous separation of two immiscible liquids can be carried out with the simple menu-driven commissioning. The reliable measurement signal processing brings a very high level of functional reliability. This saves time and money.

Benefit from our many years of experience and request our offer on +41 61 935 5000 or offer@aquasant-mt.com.

