

Interface detection

by good technology

A unique concept and the all in one solution



Continuous interfacial layer measuring for the automatic liquid/liquid phase separation

Continuous interfacial layer level measure in decanters with BAR PROBES, according to your needs and requirements to be manufactured

Automatic inline (reactors, decanter exit lines) batch separation of various phases with PIPE PROBES

- Impedance measuring principle
- Easy to start up
- 9 different interfacial layer systems recallable
- Phase inversion
- Self monitoring measuring circuit from the probe to the relays
- Analogue output
- 2 independent adjustable limit values with relay outputs
- malfunction detection relay
- ATEX certified

Ex II 1/2 G EEx ia IIC T6



The best measure
aquasant
Messtechnik AG

Product
Info

Description of full automated interface batch separations and the interfacial layer measure and control

Universal measuring unit type: QTI 800 K A/G V 3.60

Interfacial layer measurement of 2 non-mixable liquids, as result of an extraction or as occurring after a chemical process, is today still often problematic. Heavy contaminations, small differences of densities or emulsion layers are often requiring process interruptions to perform a time consuming manual separation.

This belongs to the past if you are using the full electronic interface detection system of Aquasant Messtechnik AG with its norm signal of the high-resolution impedance measure.

With interface detection pipe probes of different diameters, it is possible to measure the interface directly at the reactor or separation vessel output line. The self-controlled measuring system and control unit do assure a secure and fully automatic separation.

For continuous separators, interface bar probes are used. The interface layer level is measured without any mechanical moving parts and the analog 0/4 – 20 mA signal goes to the regulator or to the central process system.

Take advantage of our over 2 decades experience in this field and ask for detailed documentation.

