

## INNOVATIVE DEVELOPMENT: DEVICE FOR DETERMINING THE MAGNETITE CONCENTRATION IN HEAVY LIQUIDS

We are pleased to announce the launch of our new measuring device for the precise determination of magnetite concentration in heavy liquids. This advanced device has been specifically developed for use in the heavy liquid cyclone process, which is used for separating industrial salt and wet mountains.

The density of the heavy liquids directly depends on the proportion of magnetite in the suspension. For a heavy liquids cyclone to operate efficiently and reliably, a precisely defined operating pressure is required – and this is largely influenced by the liquid's density. Therefore, accurate and continuous monitoring of the magnetite concentration is essential for maintaining a stable and efficient separation process. Our new measurement technology enables fast, reliable, and precise determination of the magnetite concentration directly in the suspension. This provides the foundation for optimized process control and maximum operational safety.

### Advantages of our Measuring Device:

#### High Precision

The concentration of magnetite is measured with the highest precision, enabling optimal control of the process.

#### Real-time Monitoring

Thanks to continuous measurement, fluctuations can be immediately detected and corrected, leading to stable process control.

#### Easy Integration

The device can be easily integrated into existing production systems, allowing for quick and efficient deployment.

#### Reliability

Our measurement technology ensures long-lasting and low-maintenance use – even under demanding production conditions. With this innovative measuring device, companies can precisely control the magnetite content in the heavy liquid, thereby increasing the efficiency of the entire separation process. This not only contributes to optimizing product quality but also reduces production costs and improves resource utilization.

We are proud to make a significant contribution to improving process engineering and process stability in heavy liquid separation with this development. Let the performance of our new measuring device convince you and discover how it can revolutionize your production processes.

Contact us today by [E-Mail](#) or at the phone number below for more information and to learn more about the benefits of our measuring device for your application!

We look forward to hearing from you!

**Your Breimer-Roth team**



*Flow of Heavy Liquids*



*Coil with Measurement Board  
(Stainless Steel Housing)*



*Measuring Cabinet*

**ONE WAVE FASTER**

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