

## Sommer Distrometers to Monitor Rain and Hail

Distrometers are determining rain amount by counting rain droplets or hailstones and categorising their size.

The Sommer instruments have a hemispheric impact surface to measure rain and detect hail, or a circular one to measure hail. Principle of measurement advanced signal processing from a microphone.



<b>RHD</b> Rain distrometer and Hail detection	<b>HDI</b> Hail distrometer
Acoustic sensor to measure Rain with additional info of Hail	Acoustic sensor to detect and characterisation of hailstone size Hail (only)
Key Selling points: <ul style="list-style-type: none"> <li>• Robust and reliable</li> <li>• Maintenance free</li> <li>• Very low power consumption</li> <li>• 25 categories of Rain size</li> <li>• Simply integration into existing systems</li> </ul>	Key Selling points: <ul style="list-style-type: none"> <li>• Robust and reliable</li> <li>• maintenance free</li> <li>• Very low power consumption</li> <li>• Distinguish between 15 hail size category's</li> </ul>

The RHD can be applied in many industries:

- Monitoring of rain and hail precipitation
- High-resolution Distrometer (number and size of raindrops)
- Offshore weather buoys
- Forecast of soil erosion
- Wind power (leading edge erosion prevention)
- Road condition monitoring
- Railway weather monitoring



The unique design and construction brings several advantages like:

- ✓ Easy installation and integration
- ✓ Maintenance-free
- ✓ Very robust and low power consumption
- ✓ Highly sensitive acoustic measurement
- ✓ No moving and optical parts
- ✓ No wear and tear
- ✓ No wind influence
- ✓ Ready for Offshore use
- ✓ Counting raindrops per class and size
- ✓ Lightweight,
- ✓ corrosion-free,
- ✓ UV/Ozone stable
- ✓ Resistant to shock, vibration, lightning, ashes, 100% RH

For more information please contact us or visit [YouTube channel](#) !



For detailed information on solutions of your interest we are gladly available:

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