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## Manufacturer Declaration for TORRIX Mobile - Wave compensation through Intelligent algorithm



## The company FAFNIR GmbH, Hamburg, Germany declares the following:

On a moving tanker truck, the fuel within its compartment's experiences oscillation, leading to the formation of waves in the liquid. This dynamic movement causes the floats on the probe to continuously rise and fall, resulting in inaccurate fuel level readings—even when using a highly precise level probe.

To address the challenge of inconsistent measurements, the TORRIX Mobile is equipped with a sophisticated intelligent algorithm. This algorithm continuously monitors the up-and-down movements of the product float and if a stable average value is available, it detects this and sends the level data where the predefined algorithm effectively averages out the volatile readings. As a result, the TORRIX Mobile transmits only the true product levels to the controller with an impressive accuracy of ±0.5 mm.

By leveraging remote monitoring, users can confidently track product levels on a moving tanker truck. The system provides a reliable indication that the fuel levels remain stable, without fluctuations, as long as there are no leaks or theft incidents occurring.

With the integration of intelligent algorithms, the TORRIX Mobile significantly enhances fuel level measurement accuracy and dramatically reduces waiting time for dispensing, ensuring operational efficiency and security in fuel management.

Sincerely FAFNIR GmbH Management