

# Saab TankRadar® REX

## Reliable Leakage Detection with TankMaster Software

**The Saab TankRadar REX system with TankMaster Software provides continuous, reliable and extremely sensitive leakage detection in all types of tanks. Saab TankRadar REX is an active system continuously measuring the level of the product, regardless of the product movements. There are two types of Leakage Alarms available: Level Leakage Alarm and Volume Leakage Alarm.**

The basis for reliable leakage detection in a storage tank, is to have an accurate level measurement. The Saab TankRadar REX level gauge fulfills the absolute highest requirements with an instrument accuracy of  $\pm 0,5$  mm ( $\pm 5/256$  in.).

A high accuracy leakage detection system can be based on level measurement only if the product temperature is reasonably stable. Changes in product temperature will change the product volume, which can be observed as an increasing or decreasing level. For these tanks, the leakage detection system should operate on standardized volume and therefore the product temperature also should be measured.

Factors which normally are important for accurate level and volume measurement, such as changes of tank height due to tank bulging effects, accuracy of tank capacity tables etc., have little influence on a leakage detection system, since these factors are negligible in static leak alarm conditions. Accuracy in level and temperature measurement, system reliability, and the lack of measurement drift, are factors with significant influence for a leakage detection system.

### Level Leakage Alarm

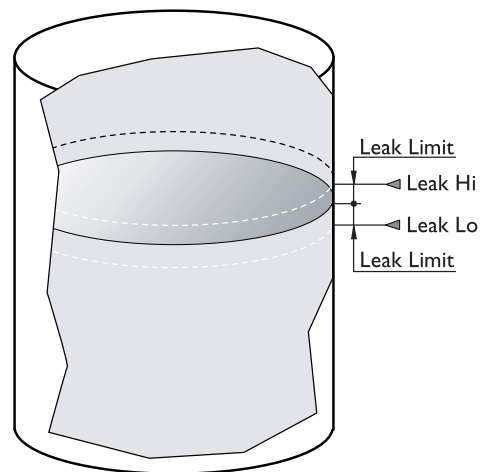
The Level Leakage Alarm is triggered by a change in the

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level. The Level Leakage Alarm is suitable for tanks with rather stable product temperature.

### Volume Leakage Alarm

The Volume Leakage Alarm is triggered by a change of the standardized (temperature compensated) volume of the product in the tank. The Volume Leakage Alarm is independent of changes in product temperature, since it operates on standardized volume.



### Features

- Reliable leakage detection
- Continuous leakage detection
- Highest accuracy in level and temperature measurement
- No drift due to measuring principle
- Programmable threshold for alarm
- Volume or level leakage detection

All technical details are subject to changes without prior notice.

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