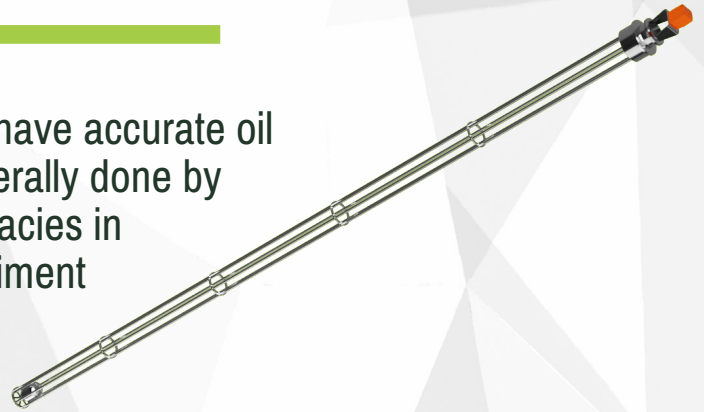


HARSH ENVIRONMENT LASER LEVEL (HELL)

THE PROBLEM

In the food processing industry, it is crucial to have accurate oil level readings in hot oil day tanks. This is generally done by an IFM laser. Unfortunately, there are inaccuracies in these readings due to water vapor and oil sediment interfering with the IFM laser signal.



THE HSI SOLUTION

HS Innovations Harsh Environmental Laser Level (HELL) was designed to monitor the oil level in a tank where heavy sediment is present, without the need for tools to remove it. All materials used in the entire construction are FDA/USDA approved.

- Optical laser sensor allows for easy alignment
- IFM laser mounted to a 4" sanitary ferrule for easy removal
 - Down pipe with 4 stainless steel guide rods to keep stainless steel ball in line, allowing for laser to keep contact signal at all times
- Guide rods allow for oil with heavy sediment to easily pass through
- Open design allows for easy cleaning of the stainless steel ball
- Suited for use in harsh oil applications up to 500°F due to:
 - Compact metal housing
 - High protection rating
 - Precise object detection



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HARSH ENVIRONMENT LASER LEVEL (HELL)

Daytank



Front



Specifications:

- Ideal for harsh oil applications up to 500°F
- Guide Rod Material: 3/8" SS 316SS round rod
- Length: Customizable depending on tank height
- Mounting: 4" Sanitary tank butt weld ferrule
- Optical level sensor O1D300 from IFM electronic (range of 0.2-10 m)
- Compact metal housing (high protection rating of IP67)
- Open area to access stainless steel ball for ease of cleaning

HSI PRODUCT OFFERINGS

P/N: 50.HAEN.LALE.4 Harsh Environmental Laser Level (HELL)

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