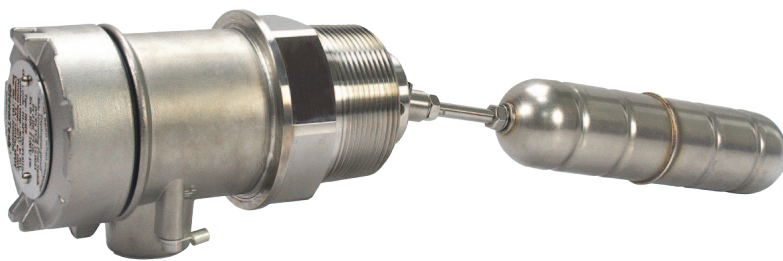


DATASHEET

HLSFF


**H SERIES  
SENSORS**


## Highlights

- Provides point level detection of liquid using reliable micro switch design
- Does not require power
- Material: 316 SS (316L SS option)
- Process temperature: -40 to 100 °C (-40 to 212 °F)
- Electrical contact: SPDT (1C)
- Max pressure: 213.4 PSI / 15 kg/cm<sup>2</sup> / 14.7 BAR
- 10" to 24" (250 to 610 mm) float to thread options
- Supports Normally Open and Normally Closed
- NEMA 4X, IP66
- Zone 0 / Explosion-proof / Flameproof



## Side-Mount Liquid Level Detection Solution

### Micro Switch Reliability / Low Maintenance

The Float Type Level Switch by OleumTech is part of the H Series line of high quality instruments delivering unrivaled performance, reliability, and accuracy in the most demanding environments, including hazardous locations.

The float-based level switch is designed to be mounted on the side of a liquid storage tank and is used for detecting either overflow (high) or dry run (low) detection for alarm, monitoring, and control applications.

The HLSFF provides a relay switch output (SPDT) and can operate in either Normally Open (NO) or Normally Closed (NC) mode.

### Durable 316SS Construction / Explosion-Proof

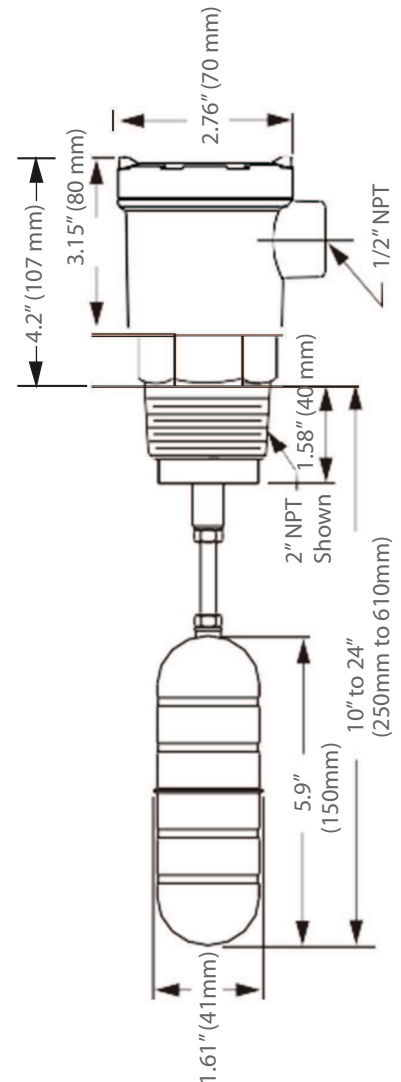
The H Series HLSFF Float Type Level Switch is certified for use in Zone 0 hazardous locations and is Explosion-Proof / Flameproof.

The HLSFF is a simple apparatus and does not require power to operate. It provides a single actuation point and can be ordered with a custom stem/arm length with a variety of process connection fitting options. Its housing is made of 316 stainless steel while the level switch can be ordered with the 316 or 316L option.

### Technical Specifications

HARDWARE FEATURES	
Device Functionality	· Point Level Detection Switch using Float-based Micro Switch Technology
Interface	· Relay
CERTIFICATION & COMPLIANCE	
Safety	<ul style="list-style-type: none"> <li>· Explosion-proof/Flameproof for Use in Hazardous Locations</li> <li>· IECEx TUR 19.0035</li> <li>· Ex db IIB T5 Gb, Ex tb IIIC T100 °C Db</li> </ul>
MECHANICAL SPECIFICATIONS	
Dimensions (Head)	· 2.76" (W) x 2.76" (H) x 3.15" (D) / 70 mm (W) x 70 mm (H) x 80 mm (D)
Float to Thread Length	· 10" to 24" (250 mm to 610 mm) in 1" Increments
Specific Gravity (SG)	· >0.65
Package Dimensions (UF10)	· 17" (W) x 4.75" (H) x 4.75" (D) / 432 mm (W) x 121 mm (H) x 121 mm (D)
Package Weight (UF10)	· 4.5 lbs (2.0 kg)
Ports	· One 1/2" NPT
Connection Fitting (Standard)	· 2" NPT
Connection Fitting Options	· NPT, BSP, PF, 150 lbs, 300 lbs
Enclosure Casing Material	· Type 4X 316 Stainless Steel; IP66
Switch Material	· 316 Stainless Steel (316L Option)
Operating Pressure	· 213.4 PSI / 15 kg/cm <sup>2</sup> (14.7 BAR)
ELECTRICAL SPECIFICATIONS	
Signal Output	· SPDT Micro Switch (Omron VX-5-1A2), 3 A / 250 Vac / 30 Vdc
Output Types	· Normally Open and Normally Closed
GENERAL SPECIFICATIONS	
Operating Conditions	<ul style="list-style-type: none"> <li>· Process Temperature: -40 to 100 °C (-40 to 212 °F)</li> <li>· Ambient Temperature: -40 to 70 °C (-40 to 158 °F)</li> <li>· Humidity: 0 to 99 %, Non-Condensing</li> </ul>
Warranty	· 2-Year Parts and Labor
ORDERING INFORMATION	
Model Numbers Series	· HLSFF

### Dimensions



### Ordering Information

