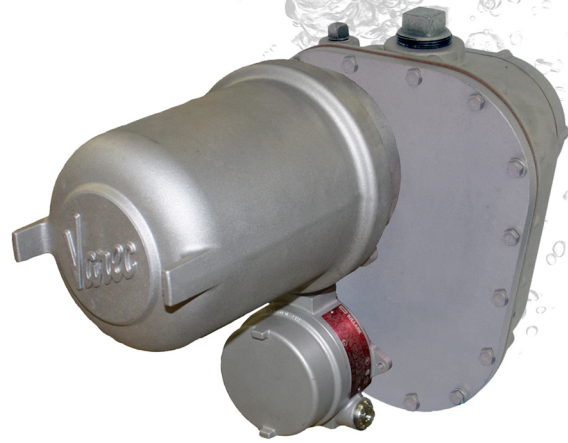


# 2910 Float & Tape Level Switch

Activate alarms or relays with SPDT cam-operated level switches

**Varec**<sup>®</sup>

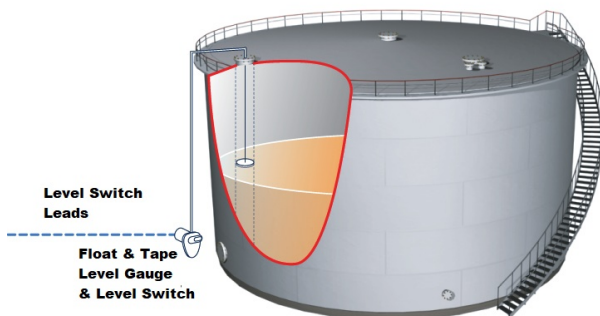


## Highlights

- Easy in-service installation - mounts directly to most mechanical tank gauges, including Varec, GSI, L&J and Sakura
- Activate alarms or relays with; 2, 4, or 6 SPDT cam-operated switches (as option)
- No battery back-up is required - maintains the correct level during and after a power outage
- cFMus (USA and Canada), IECEx and ATEX approved for use in hazardous areas
- IP66, NEMA Type 4 enclosure rating
- Replaces the Varec 2557 Alarm Limit Switch in all applications

## Applications

The 2910 Float & Tape Level Switch is a cam-operated switch designed to mount directly to Automatic Tank Gauges. The two, four, or six switches may be used to operate lamps, relays, motors, or solenoid valves providing the load does not exceed ½ HP at 250 volts AC.



Example Tank Gauging System

Typically, the unit must operate over the range denoted by the height of the tank. Therefore, in most cases, the range of the unit selected is equal or greater than the tank height. As an example, an application involving the closure of limit switches upon reaching high and low limits of tank capacity would involve two switches – one for the high set point and one for the low.

### Technical Specifications

#### Performance

Accuracy	+/- 1/16" (1.58 mm)
Repeatability	+/- 1/16" (1.58 mm)

#### Environmental

Operating Temperature	-40 °F and +185 °F (-40 °C and +85 °C)
Operating Humidity	0 to 95% relative humidity, non-condensing
Environmental Approvals	IP66, NEMA 4

#### Functional

Available Ranges	0-25 ft 0-7.5 m 0-50 ft 0-30 m 0-100 ft 0-15 m
Limit Switches Ratings	11 amp - 125, 250, 277 VAC 4 amp - 125 VAC Tungsten filament Lamp Load 1/3 HP - 125 VAC, 250 VDC 1/2 amp - 125 VDC, 1/4 amp - 250 VDC

#### Physical

Weight	Net 13 lbs (5.9 kg). Shipping 18 lbs (8.2 kg)
Gearing System	Stainless Steel, Direct Drive
Enclosure	Explosion proof die-cast aluminum Rated IP66 (NEMA 4)
Conduit entries	2910 FTT Enclosure: 2 x 3/4" NPT Terminal junction box: 2 x 3/4" NPT

### Order Codes

Approvals	
EA	Limit Switch Assembly (No Housing) <sup>1</sup>
FM	cFMus (USA & Canada) - Explosion proof Class I Division 1 Groups C&D T5 Ta = -25°C to +85°C - Flameproof Class I Zone 1, AEx/Ex db IIB T5 Gb Ta = -20°C to +85°C
AT	ATEX/IECEx (International) – Flameproof - II 2 G Ex db IIB T5 Gb -20 °C ≤ Ta ≤ +85 °C - II 2 (1) G Ex db IIB T5 Gb -20 °C ≤ Ta ≤ +85 °C
Power Input	
0	None
Communication	
NA	None
Limit Switch Range	
1	0-25 ft
2	0-50 ft
3	0-100 ft
4	0-7.5 m
5	0-15 m
6	0-30 m
Limit Switches	
A	Two (2) SPDT Limit Switches (180° adjustable dwell, positive activation)
B	Four (4) SPDT Limit Switches (180° adjustable dwell, positive activation)
C	Six (6) SPDT Limit Switches (18° adjustable dwell, positive activation)
Additional Junction Box	
0	No additional Junction Box
1	Additional Junction Box
Digital Inputs/Digital Outputs	
A	None
<b>N2910-</b>	Complete designation