

NWS - Vibrating Level Switches



Benefits and Features

- Small and Compact
- No Wear Components
- Unaffected by External Vibrations
- Works with Many Liquids
- User Selectable Switch Logic

Specifications

- For liquids
- Contact: 1 Electronic switch
- Fitting: 3/4" NPT, 1" NPT male, 2" TriClamp
- Material: 316 SS
- Max. pressure: 650 PSIG @ 270°F
- Max. temperature: 270°F
- Viscosity: 0.5-5000 cSt

General Description

NWS level switch works on the vibrating tuning-fork principle. A piezoelectric crystal is matched to the frequency of a tuning fork in air, and used to set the fork vibrating. When the fork becomes immersed in a liquid, its resonant frequency changes. The piezoelectric crystal is then no longer matched to the tuning fork. This causes the vibration to stop. The NWS's internal electronics detects this change and signals an alarm condition.

The NWS is compatible with non-coating and some coating media whose viscosities can range up to 5000 cSt. In addition to the electrical switching control function, an LED signals the status of the switch and the presence of power at the NWS's terminals. The switching logic of the NWS is easily toggled between N/O and N/C by an internal switch.

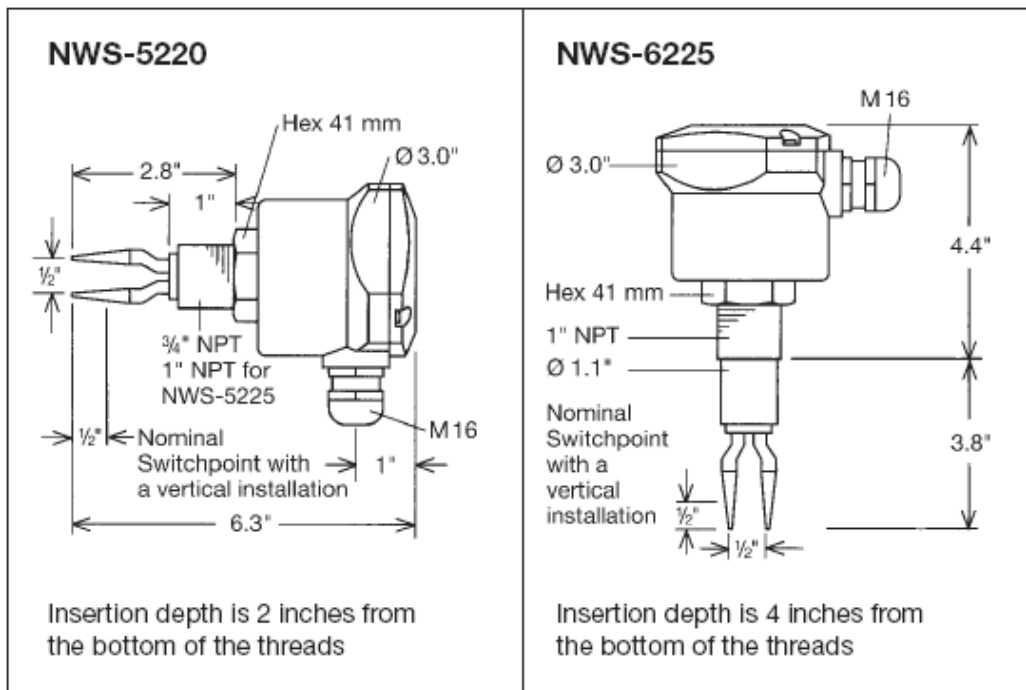
The NWS is available with a solid state switch which may be used in a 2-wire or 3-wire mode. The 2-wire configuration can switch loads up to 240 VAC at 0.5 amps. The 3-wire system switches a DC voltage when activated.

Ordering Information

Insertion Depth	Fittings	Model Number
2"	3/4" NPT	NWS-5220
2"	1" NPT	NWS-5225
4"	1" NPT	NWS-6225
2"	2" Tri-Clamp	NWS-7250
Options		
EP	Custom Insertion Depth up to 40"	

NWS - Vibrating Level Switches

↔ Dimensions



General NWS Usage

