

# NIVOSWITCH VIBRATION FORK LEVEL SWITCHES



OUR PROFESSION IS YOUR LEVEL







## 'NIVOSWITCH' ... the best answer to your Level Switching problems!

### GENERAL

Level switches are simplest form of level instruments. However simple, a great number of technologies are offered to provide a full coverage of the level switching applications. One of the most versatile technologies is the Vibrating Fork, offering significant benefits over other technologies. Nivelco now offers a revamped and extended range of the popular Nivoswitch including models with short fork section featuring increased vibration immunity.

- No moving parts
- Self cleaning
- Robustness
- Very long life
- ♦ Simple installation
- ♦ Short immersion length

## **APPLICATION**

Applications under arduous conditions are possible due to the unique signal processing incorporated in the NIVOSWITCH, combining frequency *and* amplitude sensing for an unparalelled performance. Extreme application conditions such as vibrating vessels, turbulent liquid surfaces as well as light granules are routine tasks for *the* 'intelligent' NIVOSWITCH.

#### TECHNICAL DATA

Model	Standard versions	Mini versions		Ex versions	Remote switching unit for Ex versions
With low frequency long fork section for solids ≤ 0.05 kg/m³					
With high frequency short fork section for liquids ≥ 0.7 kg/m³					©000000
Probe length	69 3000 mm				-
Wetted parts	Stainless steel, polished or ECTFE (Halar®) coated				-
Housing	Alu-cast or plastic Stainless steel				Plastic
Process connection	1" BSP or NPT, flanges, various hygienic fittings				-
Power supply	20255 V AC 2060 V DC	20255 V AC	1255 V DC	1527 V DC powered by switching unit	2227 V AC; DC
Output	1 x SPDT relay or 2 x SPDT relay	2-wire AC	Solid state, (PNP/NPN) selectable	Ex 2-wire DC	SPDT relay 8 A, 250 V AC
Ex protection	-	-	-	ATEX ⟨∑ II 1G EEx ia IIC T4T6	ATEX ⟨∑ II (1)G EEx ia IIC, B
Certificates by	-			TÜV Austria	

