

*Relay or solid state output*



# NIVOSWITCH

R-400/R-500 SERIES OF VIBRATION FORKS



OUR PROFESSION IS YOUR LEVEL

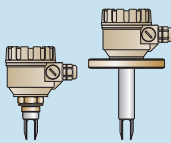
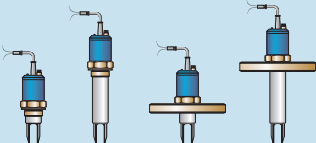
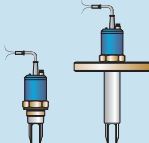

## 'NIVOSWITCH' ... the best answer to your Level Switching problems!

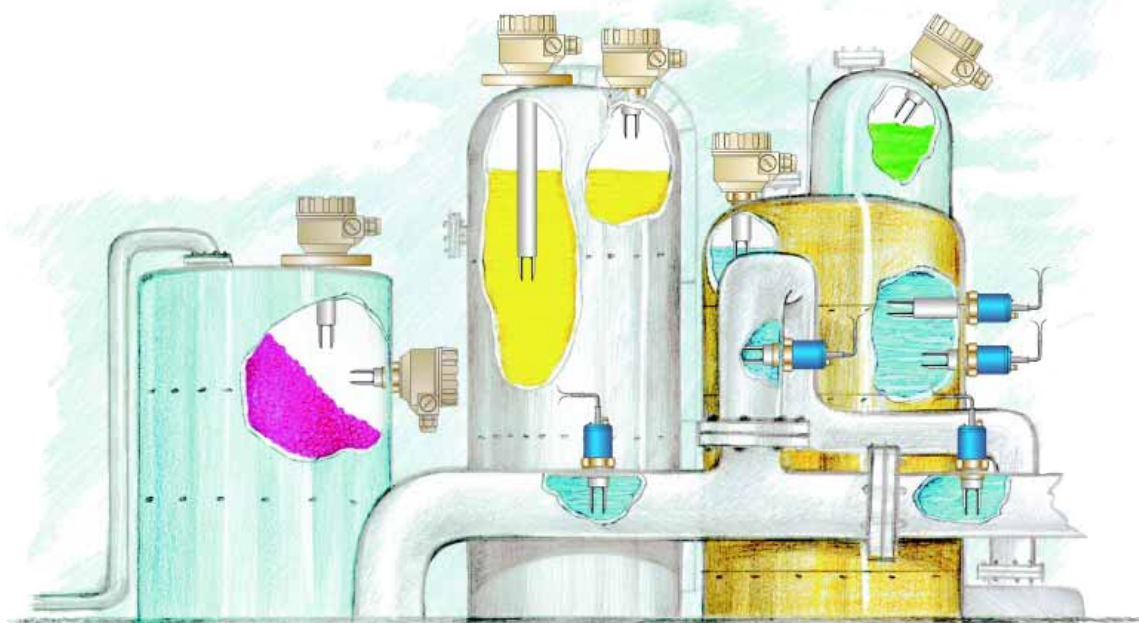
Level switches are simplest form of level instruments. However simple, a great number of technologies are offered to provide a full coverage of the level switching applications. One of the most versatile technologies is the Vibrating Fork, offering significant benefits over other technologies. Nivelco now offers a revamped and extended range of the popular Nivoswitch including models with extreme short fork section for applications such as pipes, small containers and hoppers. The new Nivoswitch range features increased vibration immunity due to high frequency excitation.

- ◆ 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 unparalleled performance. Extreme application conditions such as vibrating vessels, turbulent liquid surfaces as well as light granules are routine tasks for *the 'intelligent' NIVOSWITCH*.

Model	Standard versions	Mini versions		Ex versions	Remote switching unit for Ex versions
Outline					
Probe length	69 ... 3000 mm				–
Wetted parts	Stainless steel, polished or ECTFE (Halar®) coated				–
Housing material	Alu-cast or plastic	Stainless steel			Polyamid
Process connection	1" BSP, 1"NPT, flanges, various hygienic fittings				–
Medium density	Liquids: ≥ 0.7 kg/dm <sup>3</sup> Solids: ≥ 0.05 kg/dm <sup>3</sup>				–
Power supply	20...255 V AC 20.....60 V DC	20...255 V AC	12...55 V DC	15...27 V DC powered by switching unit	22...27 V DC
Output	1 x SPDT relay or 2 x SPDT relay	2-wire AC	Solid state, PNP or NPN selectable	Ex 2-wire DC	SPDT relay 8A, 250 V AC
Ex protection	–			EEx ia IIC T4...T6	[EEx ia] IIC
Certificates by	–			TÜV Austria	
Technical info	Data Sheet: R400A				



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