

ELT - DX-ELT VIBRATING ROD TYPE LEVEL SWITCHES



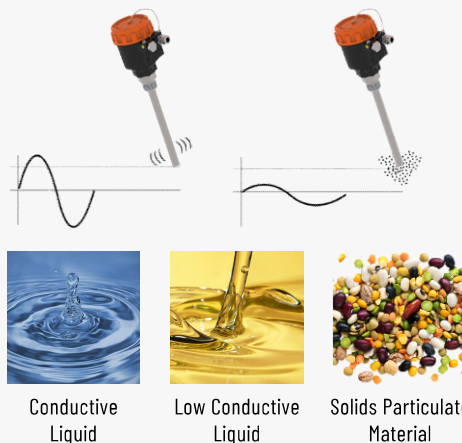
► Technical Specifications

Fluid	: Liquid, Solid, Powder
Wet Parts	: 316 Stainless Steel
Fork Material	: 316 Stainless Steel
Housing Material	: Aluminum, Stainless Steel (For ELT103)
Max. Solid Particle Size	: <10 mm
Max. Liquid Viscosity	: <1000 mm ² / sec
Measurement Density	: For Solid > 0.1 g / cm ³ For Liquid > 0.7 g / cm ³
Vibration Frequency	: 280 KHz (For ELT102,104, 202, 204) 300 ± 50KHz (For ELT101, 201)
Delay Time	: 0.5 sec (Vibration Stop) 1-2 sec (Vibration Start) It can be adjusted between 1-60 seconds
Exit	(For ELT101, 201) : 1 x 3A NO / NC Relay 30 VDC / 220 VAC (For ELT103) : 1 x 5A NO / NC Relay 30 VDC / 220 VAC (For ELT102,104, 202, 204) : 2 x 8A NO / NC Relay 24 VDC / 220 VAC
Supply	: 15-80 VDC, 15-260 VAC
Power consumption	: 2.5 W, 1 W (For ELT103)
Connection	: 1" BSP (Std.) Male Thread Opt. Flanged
Working Pressure	: Max. 20 bar (For ELT101, 201) Max. 40 bar (For ELT102,104, 202, 204) Max. 30 bar (For ELT103)
Working Temperature	: (-) 20 °C ... (+) 150 °C (Std.) Opt. 200 °C
Ambient Temperature	: (-) 20 °C ... (+) 80 °C
Ambient Humidity	: % 95 RH
Protection Class (EN60529)	: IP 66, IP 67 (For ELT103)

► ELT - DX-ELT

Advantages:

Suitable for side as well as top mounting
Minimum and maximum fail safe field selectable.
Process pressure max. 40 bar
Process temperature max 200 °C
Low power consumption.
No Calibration Required
Settable switching delay as a standard feature
Durable Construction
Immune to External Vibrations



ELT series single vibrating material level switch is one of the tuning fork material level switches. It is not afraid of hanging materials, not afraid of impact, without clamping problems, and has higher sensitivity. Its cylindrical single measuring rod structure determines its wider adaptability to industrial field. Single rod vibrating level switch uses the "resonance" principle of tuning fork to generate vibration under the driving of piezoelectric elements. Only when all around the probe rod are surrounded by materials, the vibration amplitude will be sharply reduced, resulting in switch action.

Areas of Application :

It can be used in process that containers , silos , free flowing dusts, granules and various types of small particulate solids such as cereals, beans, edible oil process, sugar, animal feed, rice plants, detergents, dye powder, chalk, gypsum, fly-ash, cement, sand, plastic granules, spices, milk powder etc.