

TUNING FORK VIBRATING LEVEL SWITCH

VLS5000

Housing: IP68

Explosion Proof:

Class I, Groups A, B, C, D;

Class II, Groups E, F, G; NEMA 4X

VLS5000 Series are assembled with a tuning fork and energized sensor. It vibrates frequently with mechanical resonance to detect the liquid level when the tuning fork is immersed into process liquid.

Technical Data

Wetted part material: 316 stainless steel

Thread connection: 1" NPT, 1" BSP

Flange connection: from 1" to 3", JIS, ANSI, DIN, and Clamp available

Detection length: minimum 130 mm maximum 400 mm

Working temperature: -30°C~+80°C

Working pressure: maximum 100 kg/cm², up to 400 kg/cm² on request

Liquid viscosity: 0.2~10000 mpas

Liquid density: 0.6 g/cm³~2.5 g/cm³

Housing: IP68

Explosion Proof: Class I, Groups A, B, C, D; Class II, Groups E, F, G; NEMA 4X

Power Supply: 110VAC, 220VAC, 24VDC

Contact Form: SPDT

Contact Rating: 20A/125VAC, 12A/250VAC

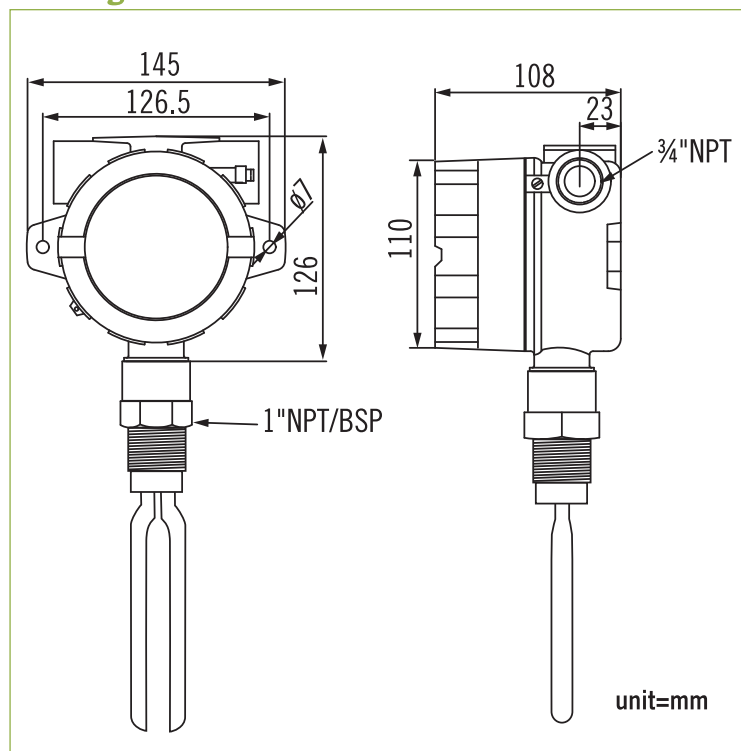


Approvals:

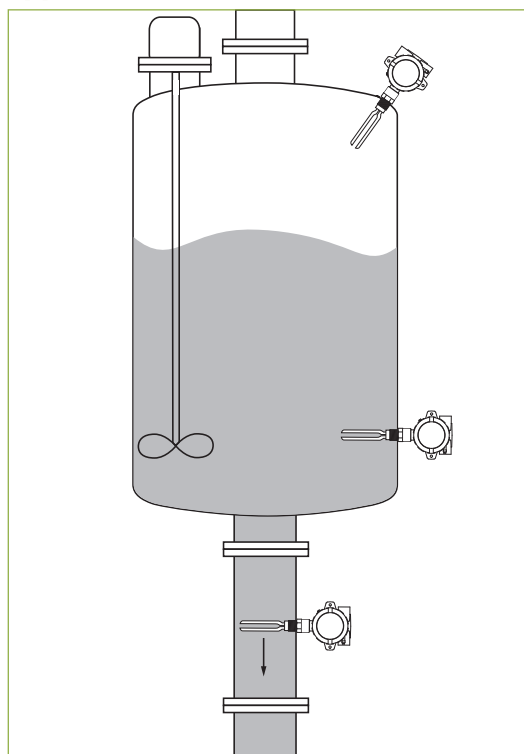


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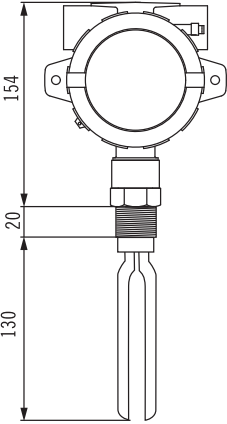
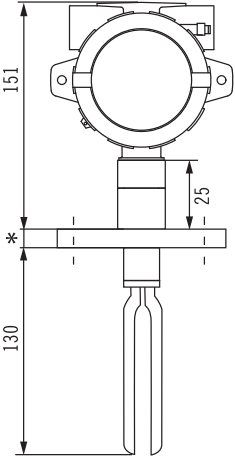
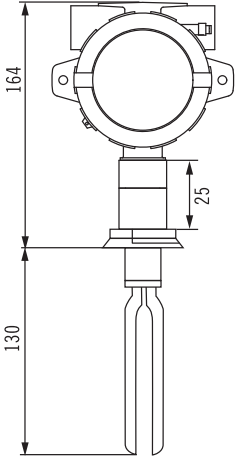
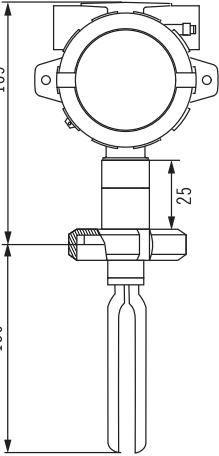
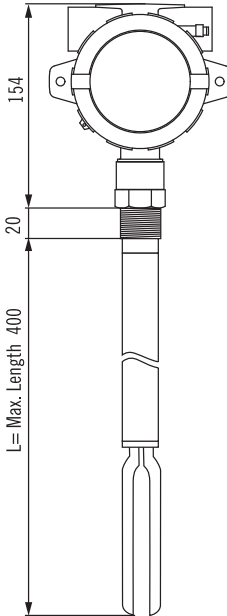
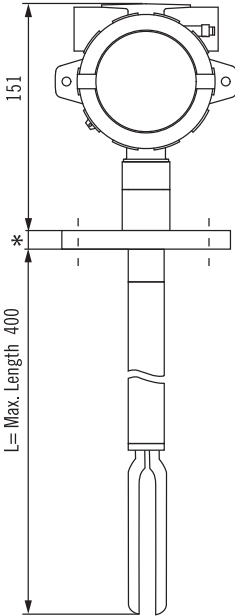
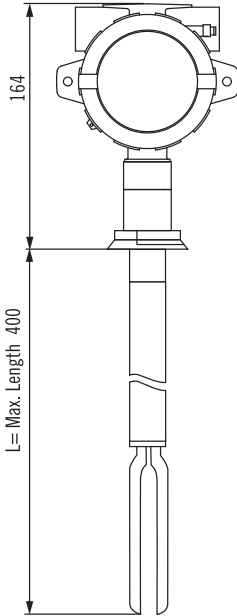
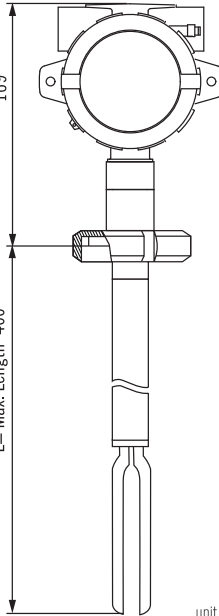
Housing Dimensions



Application and Installation



Process Connections

Thread Type	Flange Type DIN, ANSI, JIS 1" ~ 3"	Clamp Type ISO 2852 (3A) 1" ~ 2"	Coupling Type DIN 11851 1" ~ 2"
STANDARD LENGTH			
			
*Dimension varies according to flange rating			
AVAILABLE LENGTH			
			
*Dimension varies according to flange rating			

Ordering Information

VLS5000	Code	Process Connection
		(1) Thread type (2) Flange type (3) Clamp type (4) Coupling type
		Code Connection Size
		(A) 1" (Thread only) (B) 1½" (C) 2" (D) 3"
		Code Connection Rating
		Thread: (1) NPT (2) BSP Flange: (3) JIS10K (4) JIS20K (5) ANSI 150# (6) ANSI 300# (7) PN10 (8) PN16 (9) PN25 (0) Option: fill in the requested rating _____
		Code Electronic Connection
		(E) ¾"NPT Female, Standard (F) ½"NPT Female
		Code Insertion Length
		S Standard
		L Fill in the requested length ie: L=300mm
		Code Power Supply
		(A) 110VAC (B) 220VAC (C) 24VDC
VLS5000		Complete Ordering Code