VPS 53
Vapor Pressure Sensor

The VPS 53, Vapor Pressure Sensor, is installed as an integrated part of Rosemount TGU 53, Tank Radar Gauge. The intrinsically safe sensor is installed with the purpose of measuring the vapor pressure and provide the absolute pressure inside the LNG tank. The signals from the sensor are processed by the tank gauge electronics and transmitted to the Supply and Communication Unit over the same interface as the radar and temperature signals.

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Technical Specification

Product Name etc.		
General Specification		
Type	Absolute	
Operating range	0.8 to 2.0 bar	
Instrument accuracy	+/- 3 mbar	
Material facing tank atmosphere	Alloy C-276	
Approvals		
Marine type approvals	ABS, BV, CCS, DNV-GL, KR, LR, NK, RINA	
Explosion protection	Intrinsically safe	ATEX: ⟨Ex⟩ II 1 G Ex ia IIC IECEx: Ex ia IIC T4 Ga

About Emerson's Marine Solutions

Emerson is a world-leading provider of marine solutions with engineering excellence, decades of industry experience and global presence supporting any ship anywhere. All marine systems and solutions are designed especially for the harsh marine environments, engineered and manufactured in-house by our skilled teams of marine engineers. Emerson is well-known in the industry and has more than 50 years' experience with a large installed base and covers well-known marine brands such as Rosemount, Micro Motion and Damcos. Supporting marine customers from a global network of sales and service hubs along the maritime highway.

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