

Ultrasonic

Continuous level measurement



Overview

VEGASON series 60

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VEGASON

Non-contact measurement with ultrasonics

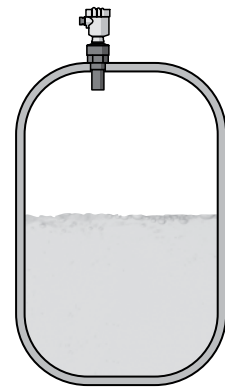
Measuring principle

Short ultrasonic impulses in the range of 35 to 70 kHz are emitted by the transducer to the measured product, reflected by the product surface and received again by the transducer. The pulses are spread with sound velocity. The time from emission to reception of the signals is proportional to the level in the vessel. The proven ECHOFOX signal processing analysis the reflections in the vessel based on long-standing experience and detects the level signal reliably. The adjustment of the sensors is very simple without changing the level.

Applications

Level in liquids

Sensors with higher frequencies are used for measurement of liquids. Independent of product properties they deliver a continuous measuring signal and are ideal for water/waste water applications and the measurement of weak acids and lyes. Sensors with respective approval are available for applications in gas-Ex areas.






Level in bulk solids

Sensors with low frequencies and bigger transducers are used for measurement in bulk solids. Typical applications are level measurement of bulk solids containers, bulk solids silos with average size dimensions and open heaps. Approved sensors are available for applications in dust-Ex areas.



Overview

Instrument type		Measuring range Accuracy	Process fitting	Process temperature	Process pressure
VEGASON 61 Liquids and bulk solids in small vessels		Liquids: 0.25 ... 5 m Bulk solids: 0.25 ... 2 m +/- 10 mm	Thread G1½, 1½ NPT	-40 ... +80 °C	-0.2 ... +2 bar (-20 ... +200 kPa)
VEGASON 62 Liquids and bulk solids in small vessels		Liquids: 0.4 ... 8 m Bulk solids: 0.4 ... 3.5 m +/- 10 mm	Thread G2, 2 NPT	-40 ... +80 °C	-0.2 ... +2 bar (-20 ... +200 kPa)
VEGASON 63 Liquids and bulk solids in all industries		Liquids: 0.6 ... 15 m Bulk solids: 0.6 ... 7 m +/- 10 mm	Compression flange DN 100, mounting strap	-40 ... +80 °C	-0.2 ... +1 bar (-20 ... +100 kPa)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.