

The logo for OHMART VEGA, with 'OHMART' in blue and 'VEGA' in blue with a yellow underline.

■ LSG

RADIATION-BASED CONTINUOUS LEVEL DETECTOR

The Ohmart/VEGA LSG provides the highest sensitivity possible in a continuous level detector. Built with GEN2000® electronics, the LSG offers modern construction and the ability to measure difficult applications. The LSG can be used with all standard Ohmart/VEGA level source holders and is a perfect retrofit to existing legacy source holders from a wide variety of manufacturers.

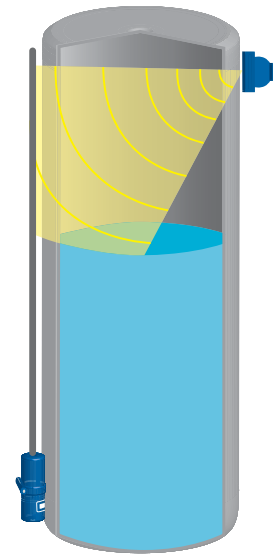


■ Features & Benefits

- Highest sensitivity using scintillation technology
- Lighter weight construction (weight savings of up to 57% over traditional detectors)
- Stainless steel detector housing
- Adjustable mounting tabs for easy installation
- Lengths up to 120" (3048 mm)
- Rugged PVT (Poly Vinyl Toluene) crystal
- Standard outputs including 4-20 mA, Foundation Fieldbus™, and frequency

■ Principle of Operation

Gamma-based continuous level measurement works by directing a collimated fan of radiation through the vessel to a detector. As the process level rises, it shields the detector from the radiation. The more radiation the detector “sees” the lower the process level. The less radiation detected, the higher the process level.



■ GEN2000® Electronics Advantages

- Lightweight aluminum (low copper) housing construction
- Flexible output protocol (frequency, 4-20 mA DC HART®, digital Foundation Fieldbus)
- Modular electronics
- Common spares for other GEN2000®, level and density detectors
- O-ring sealed construction
- Surface mount technology
- Advanced digital signal processing
- Universal power input, AC or DC
- Approved for hazardous service, CSA, Cenelec
- Control signal transmitted directly from the detector

■ Recommended Applications

- New applications requiring smaller source sizes
- Retrofit of older ion chamber designs to avoid source replacement
- Retrofit of older continuous level plastic crystal scintillators

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