

OHMART
VEGA



■ GM-17

GAMMA-DETECTING POINT LEVEL SWITCH

Ohmart/VEGA introduces our next-generation Gamma-Detecting Point Level Switch: Model GM-17. This switch utilizes proven Geiger-Mueller tube technology to provide point level indication in a package less than half the weight of its predecessor.

New Features

- **Lightweight aluminum** housing and smaller envelope dimensions make the GM-17 easier to handle and install
- **Improved diagnostics** with LED indication and a failure alarm alert users to individual tube problems
- **Adjustable hysteresis** reduces likelihood of false indication
- **Single-point calibration** option permits user to set switch with only one radiation level



■ Principle of Operation

The GM-17 utilizes a single or multiple Geiger-Mueller tubes to monitor gamma radiation passing through a vessel. When process material in the vessel blocks the gamma radiation, the detected drop is used to energize (or de-energize) a relay. A second relay may be used as a redundant process indicator or for alarm purposes. The GM-17 is compatible with a wide range of standard Ohmart/VEGA gamma radiation source holders. A housing adapter bracket is available to retrofit the GM-17 in GM-16 replacement applications.

■ Standard Features & Benefits

- Epoxy powder coating and o-ring sealed construction permits use in a wide range of harsh environments
- CSA and ATEX Certified for use in hazardous locations
- Up to six Geiger-Mueller tubes (capable of being added in the field) for maximum sensitivity
- Flexible input power specifications include 24VDC and 110-220 VAC
- Rotary switches and LED indication simplifies calibration
- Remote capability permits separation of electronics for operator convenience

■ Recommended Applications

- High and Low point level indication on a wide variety of vessels, bins and silos
- Plugged chute indication
- Retrofit older, less sensitive switches without changing gamma sources
- Independent redundant indication for continuous level detector without the need for additional gamma source



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