

The logo for OHMART VEGA, featuring the brand name in a bold, blue, sans-serif font. The word 'OHMART' is on the top line and 'VEGA' is on the bottom line. A thick yellow horizontal bar is positioned behind the text, extending from the left edge of the logo.

■ GM-17

GAMMA-DETECTING POINT LEVEL SWITCH

The GM-17 utilizes proven Geiger-Mueller tube technology to provide non-intrusive point level indication in a package less than half the weight of its predecessor. The lightweight aluminum housing and smaller envelope dimensions make the GM-17 a breeze with handling and installation.

■ Features & Benefits

- 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
- Non-intrusive to the vessel
- 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 24 VDC and 110-220 VAC
- Rotary switches and LED indication on the circuit board simplifies calibration



■ Principle of Operation

The externally mounted GM-17 utilizes 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.

■ Recommended Applications

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

OHMART **VEGA**

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