

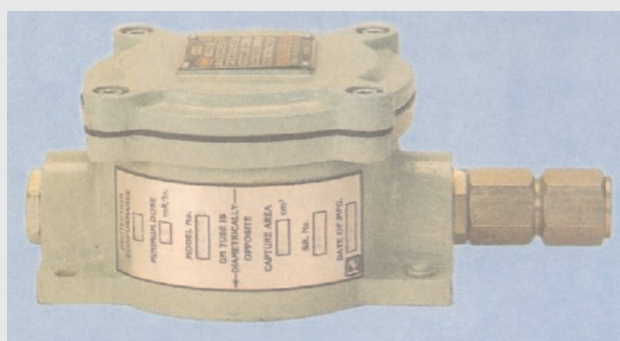
THE PENTAX NUCLEONIC LEVEL DETECTOR



MONITOR



SOURCE HOLDER



DETECTOR

(FLAME PROOF BOX)



DETECTOR



WATER JACKET

The Pentax Nucleonic Level Detector

SYSTEM:

This Instrument Provides non contact method of Level Monitoring. It has been designed and developed indigenously without any foreign collaboration. It utilises the attenuation principle of Gamma Ray Transmission. Since it does not come in contact either with the medium or container, it is not affected by other physical conditions of the medium pressure, temperature state of medium (solid, liquid, slurry) shape or size of the container.

EQUIPMENT:

SOURCE HOLDER:

It is protected, shielded and has a narrow beam opening. It utilises a Cesium 137 or Cobalt 60 Source. It is available in six different model viz PGH-1,3,10,20,50 & 100.

GAMMA DETECTOR:

It contains GM Tube and Ferrite core based DC-DC converter. Incident Radiation causes an electrical discharge within the tube at a rate proportional to Radiation intensity. It is available in two different Models i.e. PGD-110 S, PGD-210 S, and also in Flame proof Models.

MONITOR:

It amplifies the signal from the Detector and provides various control functions like switching, alarm activations, continuous output. This Model is PLS-100 WP in weather proof version and PLS-100 F in flame proof version. It has three field programmable features.

- (i) Maximum or Minimum fail safe.
- (ii) System alarm independent or forces level alarm.
- (iii) Temperature alarm only indications or forces system alarm.

APPLICATIONS:

This instrument finds application in any process industry like Power, Steel, Cement, Chemicals, Coal, Refinery, Petrochemicals, Fertilizers, Food Processing, Mining & Metallurgy, Pulp and Paper, Sugar, Water & Waste treatment industries.

THE PENTAX GUARANTEE:

It is a guarantee of reliability of excellence in design, manufacture and performance.

Call or invite, we will tell you more about how important THIS INSTRUMENT IS for your industry.

THE PENTAX NUCLEONIC LEVEL DETECTOR. THE NON-CONTACT ACCURATE WAY TO DETERMINE LEVELS.

Manufactured by



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