Compact Vibrating Rod for Dry Solid Materials

Designed for Tight Spaces

The CVR-625 compact vibrating rod is a single rod, compact point level control that has been designed for use in small bins and hoppers. The small yet rugged design allows the CVR-625 to be used in pellets, grain or other dry granular solid applications where other level sensors simply won't fit.

Simple, Dependable Operation

The signal from the electronic circuit of the CVR-625 excites the single rod of the instrument to vibrate on its resonance frequency of approximately 460 Hz. When material covers the rod of the probe, the vibration stops. This is sensed by the electronic circuitry which forces its output relay to switch. When the blade becomes uncovered, the vibration will restart and the relay will switch back.

Single Rod Design Not Affected by Material Characteristics

The CVR-625 vibrating rod principle overcomes difficulties associated with changes in dielectric constant, humidity, temperature, and material density. The single rod design eliminates the problem of false signaling due to material wedging and buildup associated with "tuning fork" type probes. The CVR-625 is designed for reliable point level sensing in small bins and hoppers that contain plastics, food, seed, chemicals, and other pellets or dry granular solid materials.

Ideal for small bins, hoppers, and feeders

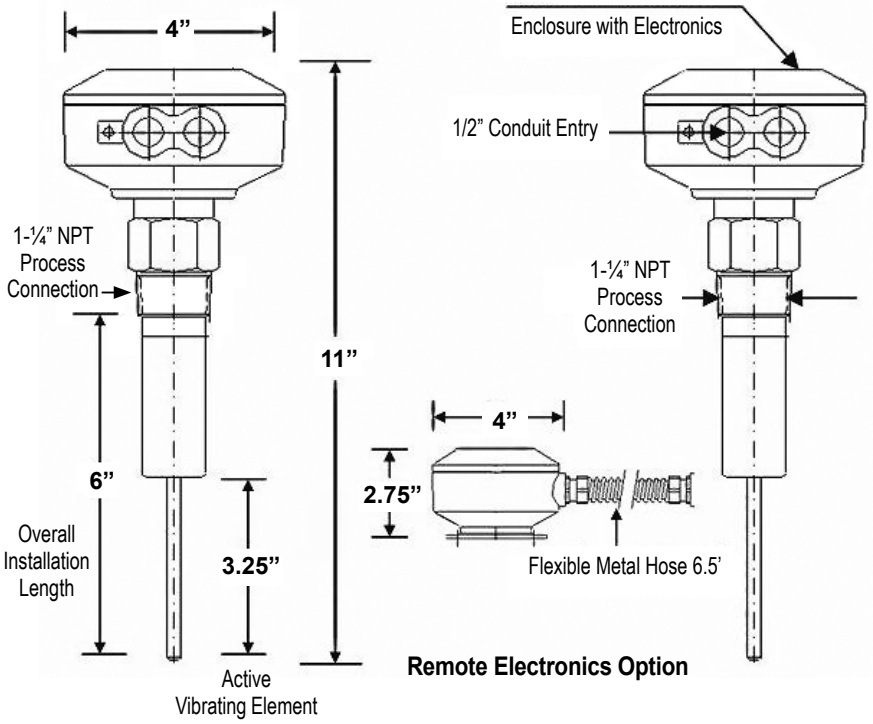
- Single rod design prevents false signals
- No calibration required
- Wear and maintenance-free
- High and low level fail-safe
- Three sensitivity adjustments
- Universal power supply
- Self-cleaning sensor
- 1-¼" NPT mounting
- Remote electronics available
- Process temperatures up to 300°F
- Detects materials with densities as low as 2 lb./ft.^{3}

Compact Vibrating Rod

BINMASTER®

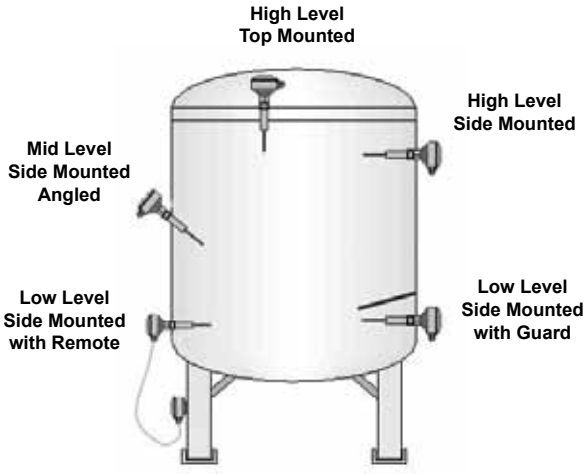
Compact Vibrating Rod for Small Bins and Hoppers

CVR-625 Dimensions



Technical Specifications

Input Voltage	Wide range 20...250V AC/DC
Power Consumption	3 VA
Relay	SPDT 5A 250 VAC
Time Delay	1 second from stop of vibration 2 to 5 seconds for start of vibration
Temperature Range	Ambient for electronics: -4°F to +140°F Process temperature standard: -4°F to +175°F Process temp high temperature: -4°F to +300°F
Minimum Material Density	2 lb./ft.^{3}
Maximum Pressure	145 psi
Wiring Cable	½”
Mounting	1-¼” NPT
Enclosure	Powder coated diecast aluminum NEMA 4
Probe	AISI 302 stainless steel



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