

PULSARpoint

200 series

PULSAR
Process Measurement

Description

The Pulsarpoint 200 series is a range of vibrating level switches, for bulk solids applications.

When material comes into contact with the vibrating probe the frequency of oscillation changes. This is detected and a signal generated to provide a changing output. This may be used to signify a material level as being high, intermediate or low depending on configuration chosen.

The design of the blade profile and the frequency of oscillation ensure that the probe is able to resist material build up, thus providing trouble free operation.

Application

Effective management of material storage and flow prevents overflows, empty vessels, clogged or blocked chutes or conveyors. Costly or dangerous spillage, material waste or unnecessary maintenance may therefore be avoided. The Pulsarpoint 200 series has been designed to prevent these avoidable and expensive occurrences from interrupting your business.

Typical applications may be found in the food, animal feed, pharmaceutical, chemical, plastics, quarrying, power generation, cement and other bulk solids material storage industries. It is suitable for most products including foodstuffs, plaster, cement, chalk, lime, granulates, wood chips, cereals, cocoa, sugar, animal feeds, powders and pellets.

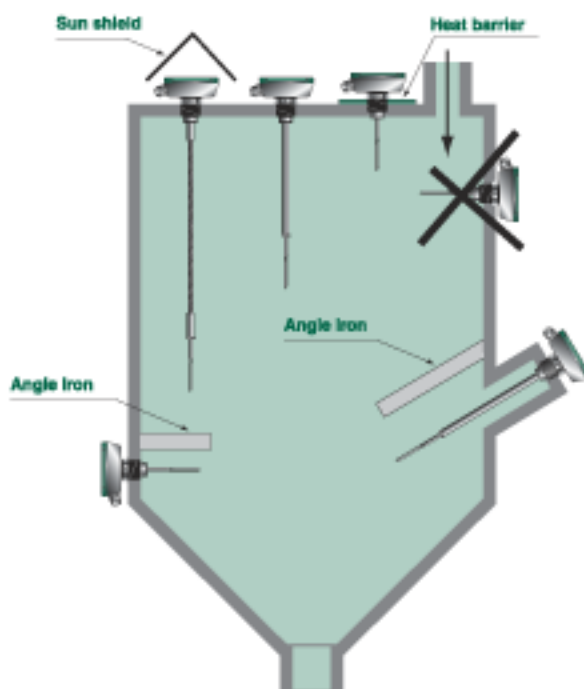
A normal process temperature of -4°F to $+176^{\circ}\text{F}$ may be monitored with the standard unit, while a higher temperature version the 212, allows a process temperature of $+284^{\circ}\text{F}$ to be accommodated. This Pulsarpoint 212 unit uses a separate electrical enclosure, with a 6.56 ft long high temperature cable, between the fork assembly and the separated electronics.

Pulsarpoint 210

The 210 is suitable for most granular products with a bulk density of 1.9 pcf or more. A relay output is standard. The electronics are mounted in a diecast aluminium housing. The process connection and probe are in stainless steel. An adjustable sensitivity setting allows easy adjustment to suit the material being monitored.



Typical Installations of the Pulsarpoint 210



Specifying information and wiring diagrams are available on request from Pulsar

200 Series
vibrating probe for solids level measurement

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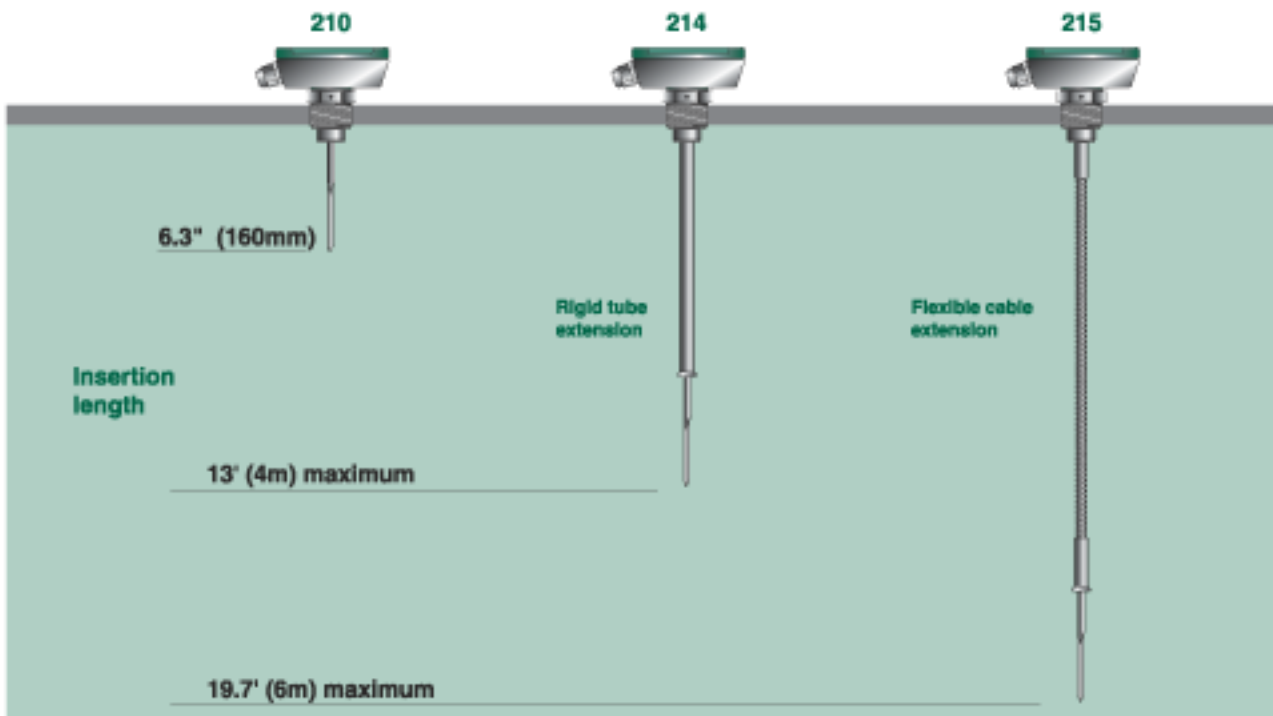
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Technical Specification: Pulsarpoint 200 series

vibrating probe for solids level measurement



Technical Specification Pulsarpoint 210 (solids)

Power supply:	115/230V-15/+10%, 2VA
Output:	1 volt free contact (SPDT). 5A @250Vac
Sensor:	Stainless steel 1.4301 / AISI 304
Housing:	Diecast aluminum painted
Thread:	1 1/2" conical DIN 2999 (1 1/2" BSP/NPT)
Resonance frequency:	215 HZ
Temperature limits:	Process -4°F to +176°F (212 sensor unit -4°F to +284°F), ambient -4°F to +140°F
Application:	Minimum material density: 1.9 pcf
Maximum pressure in silo:	87 psi
Options:	DPDT, 24V or 48Vac, 24Vdc; Extensions

Pulsarpoint 200 options

210	standard length probe system
212	high temperature +284°F standard length probe system with 6.5 ft separation
214	rigid tube extension up to 13 ft between probe and electronics
215	flexible cable extension up to 19.7 ft between probe and electronics

Represented by

Our policy is one of constant development and improvement. Pulsar reserve the right to amend details as necessary.

