



Practical solutions...at *every* level

www.monitortech.com

OnTheLevel

August 2011

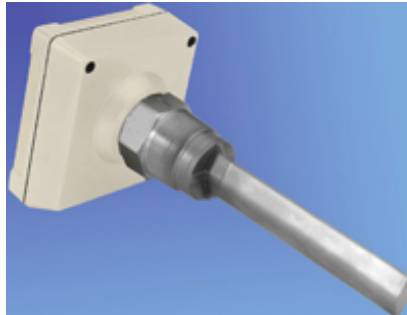
Practical Tech Tip

High Level Detection for Dust Collection Hoppers

A variety of level sensor types are available to compliment your high level detection needs depending on the specific dust collection application. A rotary paddle level switch is a suitable and cost-effective solution to detect when a dust collection hopper is becoming full. For instance, Monitor's [Model KA/KAX](#) or [SafePoint](#) rotary paddle level switches work best with particles that have a medium to high bulk density (25 lb/ft³ [400 kg/m³] and higher). With materials having a lower bulk density, a vibratory level sensor would be a more practical choice. For example, Monitor's [PZP](#) vibratory level sensors can detect materials as light as 1.25 lb/ft³ (20 kg/m³). For more products details, please visit <http://www.monitortech.com> or e-mail monitor@monitortech.com.



Model KA / KAX



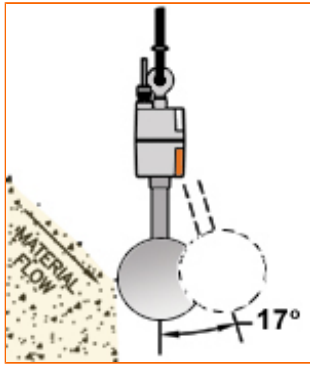
Model PZP

News from Monitor's Product Management

Literature and Installation Manual Section on Monitor's Web site

Monitor recently added a Resource Center section on its web site in order to make Product Literature and Installation Manuals readily available in one place. Plus, registration is not required for access to this section, but we still welcome it. You can get to this section by clicking on "Literature & Manuals" located at the top of Monitor's Web site or by clicking on the orange button located on each specific product page by the main product image. To visit this section now, click on - <http://www.monitortech.com/resource/>

Product Showcase



TC-3 Tilt Switch

Tilt Switch Can Monitor Levels of Open Piles

The model TC-3 tilt switch is a durable, basic and cost effective way to provide high level detection of bulk solids. Tilt switches are used to prevent overflow of solids from storage bins or to control material levels in open piles. The tilt switch can also be used to prevent over loading of material on conveyor belts. One example would be when conveying grain to open piles a TC-3 tilt switch can signal when it is time to reposition the conveyor.

Typically, the unit is suspended above the material being detected. Rising material makes contact with the switch enclosure actuator, causing it to tilt. When the enclosure body is tilted by more than 17 degrees, an internal output switch is closed, providing indication of high material level (see illustration above). Other practical features of the TC-3 include no calibration, only a few moving parts for minimal maintenance, and the unit is completely Mercury-Free. Optional extension actuators are also available.

The model TC-3 tilt switch is constructed from cast aluminum and is suited for moderately sized materials having a density of 15-60 lb/ft³ (240-960 kg/m³) or particle sizes less than 2 inches (50 mm). Common application materials include, but not limited to, grain, feed, pet food, and plastic pellets.

For more information on Monitor's tilt switches please visit:

http://www.monitortech.com/product_p_tilt.shtml

Monitor's 2012 Trade show Schedule

Below is an initial list of trade shows that Monitor will be exhibiting at in 2012. Please stop by if you are attending any of these shows:

International Poultry Expo & International Feed Expo

<http://www.ipe11.org>

January 24 - 26, 2012

Georgia World Congress Center

Atlanta, GA USA

Booth #: 668

GEAPS Exchange Expo 2012

<http://www.geaps.com/exchange/index.cfm?area=meetings&subArea=exchange>

March 4 - 6, 2012

Minneapolis Convention Center

Minneapolis, MN USA

Booth #: 619

PTXi / International Powder and Bulk Solids Show

<http://www.powdershow.com>

May 8 - 10, 2012

Donald E. Stephens Convention Center

Rosemont (Chicago), IL USA

Booth #: 2407

Word of the Month

PLEONASM

(plee-uh-naz-uh'm)

Meaning: The use of more words than are required to express an idea; redundancy.

pleonastic (adj.)

pleo·nasti·cal·ly (adv.)

To translate this word into a different language using Google translate please go to <http://translate.google.com>.

Monitor Technologies, LLC

Practical solutions...at every level!

For over 50 years we've been providing high quality, reliable product experiences for the worldwide powder and bulk solids markets, backed by trusted customer service.

€We believe that a practical solution in today's market is not just a plain, basic, mundane idea, but rather, a creative innovation wrapped in common sense, delivering the "exact" value that you require.

Contact us today and let us put our solutions to work for you!

<http://www.monitortech.com>

<http://www.monitortech.typepad.com> (level measurement blog)



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Locate an International Representative at http://www.monitortech.com/locator_intl.shtml