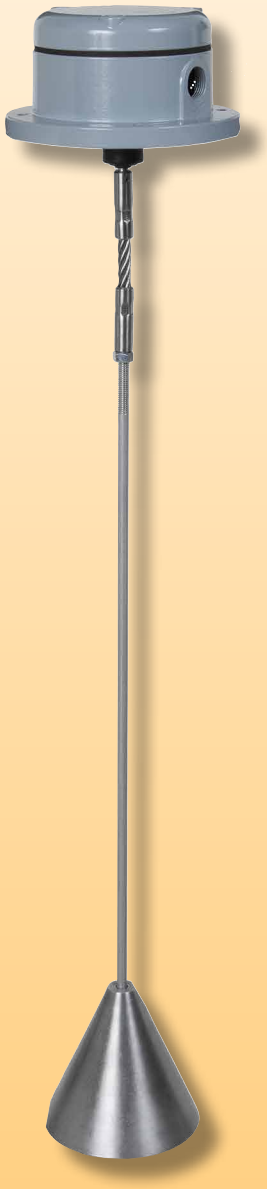
Pendulum Level Monitor

for Bulk Solids

measuring • monitoring • analyzing

PLS



- Pendulum Length up to 2000 mm (Longer upon Request)
- p_{max}: 7 PSIG t_{max}: 176 °F
- Process Connection: Aluminum Flange
- Contact: Max. 250 V_{AC} / 15 A
- For Max. Level in Storage Tanks/Silos
- Materials: Aluminum, NBR

Order from: C A Briggs Company
622 Mary Street; Suite 101; Warminster, PA 18974
Phone: 267-673-8117 - Fax: 267-673-8118
Sales@cabriggs.com - www.cabriggs.com

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205

01/01-02-2019

Description

The KOBOLD PLS monitors the maximum fill level of bulk solids in storage tanks and silos. The monitor consists of two parts: the aluminum connection housing with the microswitch and the connection terminals and the pendulum rod with the measuring cone. The PLS is installed vertically on the side of the filling piece. When a silo is filled with bulk solids, the rising level causes the measuring cone of the level monitor to swing to the side. This movement is directly transferred from the pendulum rod to the microswitch.

Applications

- For Most Bulk Solids
- Cereal
- Flour
- Granulated Plastic
- Cement
- Sand
- Sugar

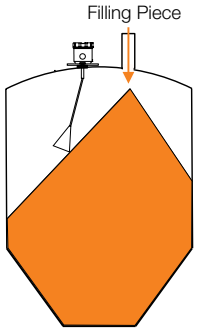
Technical Details

Measuring Principle:	Pendulum
Installation Length:	500 mm, 1000 mm, 1200 mm, 1500 mm, 2000 mm (Others on Request)
Media Temperature:	Max. 176 °F
Ambient Temperature:	-13 ... 176 °F
Operating Pressure:	-3" Hg ... 7 PSIG
Mounting Position:	Vertical
Min. Bulk/Solid Density:	0.3 kg/dm^3
Connection Housing:	Aluminum
Process Flange:	Aluminum
Bellows:	NBR
Pendulum Rod:	Aluminum, 8 mm
Cone:	Aluminum
Electrical Connection:	Via Cable Gland M 20 x 1.5
Contact:	Microswitch (SPDT Switch)
Electr. Switching Values:	Max. 250 V_{AC} / 15 A
Protection:	IP 66

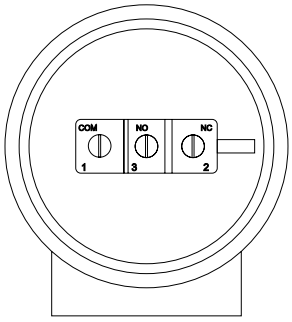
Order Details (Example: **PLS-200 00 05**)

Model	Approval	Pendulum Length "L"
PLS-200..	**..00..** = Without	**..05** = 500 mm **..10** = 1000 mm **..12** = 1200 mm **..15** = 1500 mm **..20** = 2000 mm **..YY** = Special Length

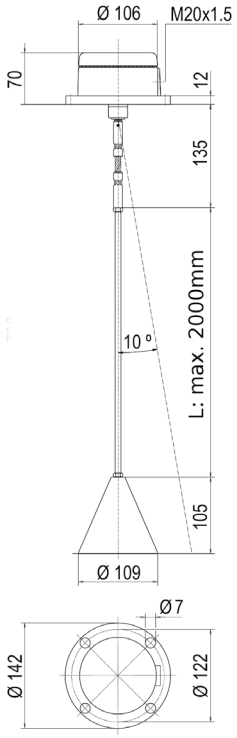
Mounting Example



Electrical Connection



Dimensions



No responsibility taken for errors;
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