CV630

Füllstandtechnik . Level Control

Specification

- Vibration type level control instrument for the detection of bulk granular solids with density down to 10g/l
- to be used for high- or low-level alarm in all kinds of silos, hoppers, bins or vessels
- welded pipe extension for insertion lengths up to 1000mm
- easy installation, no calibration required
- maintenance free
- ATEX-approval for dust-Ex
- designed and manufactured based on own patents at PTL Hermann GmbH in Rheinfelden / Germany

Technical Data

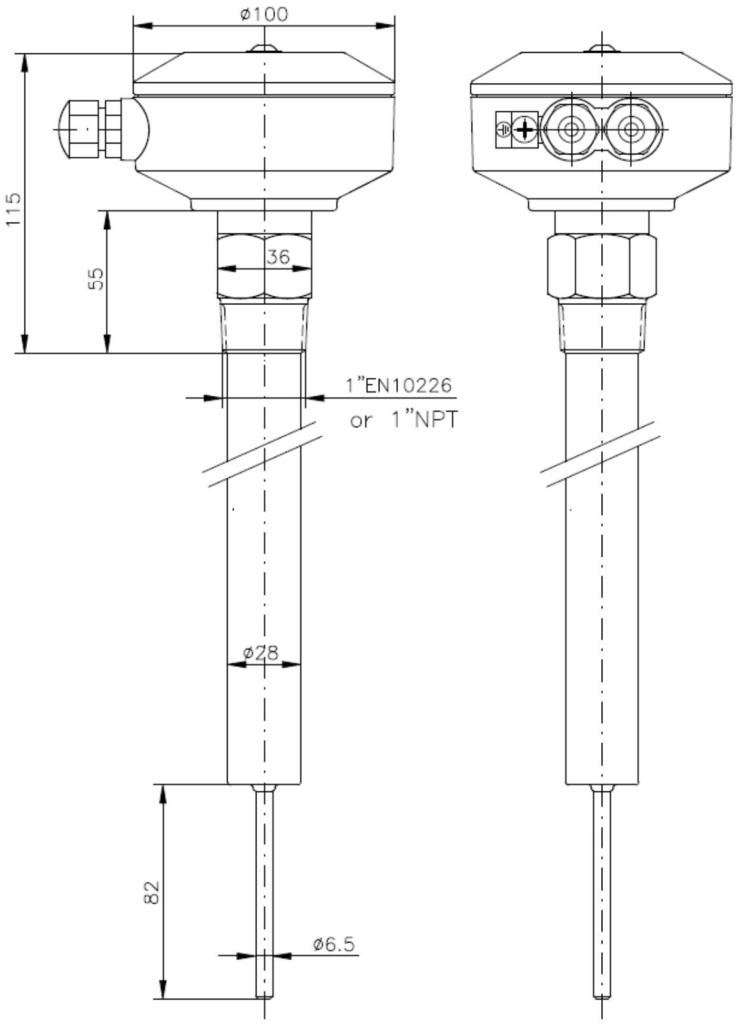
Enclosure:		alu-diecast, protection IP66 and IP67 one cable entry M16x1,5 (optionally two)
Electronics:		**wide range power supply 22 ... 250V AC/DC with relay output:** one potential free switch (SPDT) max. switching data AC: NC: 3A@250V / 750VA / cosφ = 1; NO: 5A@250V / 1250VA / cosφ = 1 max. switching data DC, NO and NC: 5A@30V; min. 100mA@5V-DC power consumption: ≤ 3 VA
	Time delay:	1 second after stop of vibration 2 to 5 seconds for start of vibration
	indication:	LED on board
	settings:	mode: FH (high level alarm) / FL (low level alarm) sensitivity: 3 settings A/B/C
Probe:	insertion length:	min. 300 to max. 1000mm
	material:	stainless steel 1.4301 / AISI 304
	process conn.:	1“ EN10226 (DIN 2999 equ. BSPT) or 1“ NPT
	res.-frequency:	approx. 460 Hz
Max. pressure inside bin:		10 bar (0,8 …1,1 bar for ATEX-models!)
Ambient temperature electronics:		-20°C ... + 60°C
Process temperature inside bin:		-20°C ... + 80°C resp. -15°C ... + 150°C at special model HT
Material to be detected:		dry, non-sticky, free flowing bulk solids, particle size 0,5 to max. 20mm min. density 20 grams / litre, with special model down to 10g/l

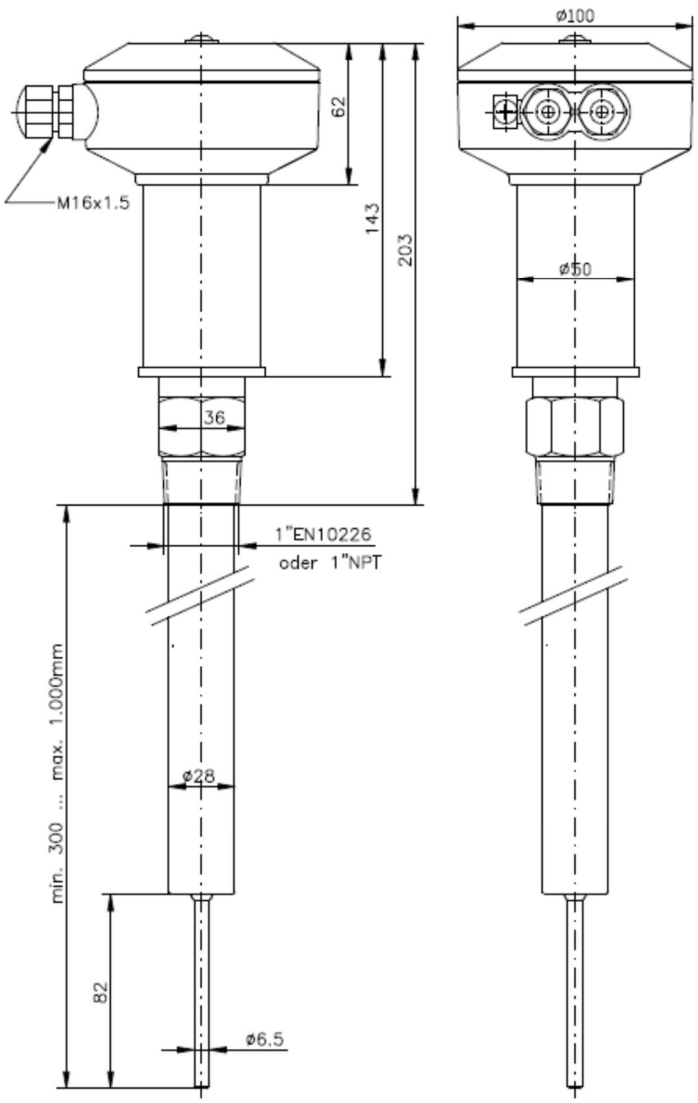
PTL Hermann GmbH, Kellermatten 3, D-79618 Rheinfelden
Tel. +49(0)7623-747954, info@ptl-hermann.com, www.ptl-hermann.com

approved to
DIN EN ISO9001:2015

CV630

Füllstandtechnik . Level Control





Special Versions

➢ ***Remote Electronics Installation***

with 90°-adapter

with second housing

This version offers a split architecture of probe and electronics.

Application:
if the ambient temperature near the bin wall exceeds 60°C
or
if heavy vibrations at the bin are present.

Hose length:
standard 2 meter,
other lengths on request.

➢ ***High Temperature Version***

For process temperatures above 80°C to max. 150°C.
To protect the electronics from too high temperatures, a temperature insulating tube gets mounted in between the process connection and the enclosure. Instead it is as well possible to install the electronics at a place with lower ambient temperature by using the remote electronics installation.

Other Options

- enclosure powder coated, several colours available
- PTFE-coating of vibrating rod to reduce material build-up
- probe polished
- special model extreme sensitivity for very light materials down to 10g/l.

Approvals

- CE-Conformity for all products according to:
  - EU-EMC-directive 2014/30/EU
  - EU-LV-directive 2014/35/EU
- Ex-Approvals according to ATEX-directive 2014/34/EU:
  dust-Ex: ATEX II 1/2D Ex ta/tb IIIC T95°C Da/Db
  for zones 20/21/22

PTL Hermann GmbH, Kellermatten 3, D-79618 Rheinfelden
Tel. +49(0)7623-747954, info@ptl-hermann.com, www.ptl-hermann.com