



Tilt Level Switches - For Solids



Solid
(stones, granules)



Powders
(Flour, sugar, cement)



Grains and cereals
(Oat, soybean, wheat, corn)



FOR GRAIN SILOS, 5 TYPES OF SOLIBA TO CONTROL LEVELS



The SOLIBA operates by tilting and controls the level of the silos in a simple and precise way. It requires no maintenance.






APPLICATION EXAMPLES

- **Grains and cereals :**
Oat, soybean, rice, wheat, corn...
- **Animal food :**
For pets, for birds and poultry, for cattle...
- **Powders :**
Flour, sugar, cement...
- **Others :**
Granules, stones, minerals, sawdust, pellets...

RANGE 5

TILT LEVEL SWITCHES FOR SILOS

FOR ALL CEREALS AND GRAINS

SOLIBA	SOLIBA Ex	SOLIBA Ex
		
Switching angle $\pm 10^\circ$	Switching angle $\pm 10^\circ$	Switching angle $\pm 10^\circ$
Non certified	"P" version	"GP" version
Operation mode	By tilting	By tilting
Use	Bulk solids high level measurement	Bulk solids high level measurement
Important specification	Only in "non explosive" areas	ATEX certified device for hazardous areas 20, 21, 22
Allowed temperature	85°C	T6 i.e. from -20°C to +70°C idem for storage
Protection index	IP68	IP68
Power supply	250 VAC - 50/60 Hz	240 VAC - 50/60 Hz
Cut-out power / connection	20 (8) A (20 A resistive - 8 A inductive)	10 (4) A / Protection by means of a 1 A calibrated fuse
Housing material	Copolymer polypropylene	Copolymer polypropylene + HRHY vulcanized
Cable 3 cond. 1mm2	Neoprene	HRHY
Size	Height 152 mm \varnothing 95 mm	Height 200 mm \varnothing 92 mm
Weight without cable	462 g	495 g
Cable weight	Neoprene 115 g/m	HRHY 110 g/m
Adjustable ballast on cable (serie)*	Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g	Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g
Standard cable lengths (serie) (other lengths on request)	5,6,10,13,15,20,25 and 30 m	5,6,10,13,15,20,25 and 30 m
		5,6,10,13,15,20,25 and 30 m



All **SOLIBA** tilt level switches must be installed at the opposite side of the grains' arrival and at a certain distance from the silo wall in order to ensure an optimal tilting operation.

The manual filling of the silo can affect the proper operation of the switch.

EX proof devices (ATEX certification) now compulsory in the majority of silos.

FOR POWDERS AND BULK SOLIDS, 2 TYPES OF SOLIBA EXTREMELY ROBUST

WORKING SAFETY

Tens of thousands of **SOLIBA** and **SOLIBA EX** are installed in silos or storing areas around the world to control levels. They are also used as essential high level alarms which is not only useful but essential.

WHY ?




The **SOLIBA** is inexpensive. Its design is simple and it's very easy to install.

- The **SOLIBA** can be used in explosive environments with risks of gas and/or dust (Ex devices, ATEX certified).
- The **SOLIBA** can provide a high level alarm, even in silos that already have another level control system.
- The **SOLIBA** is perfect for all cereals and even for very light powders, with the SPECIAL version ideal for extremely volatile products.
- For bulk solids, the **SOLIBA PLUS** has very robust special protection. It provides an ideal solution to detect the high level in all types of conveyors transporting loads of excessive heights like stones, for example.

ATMI is a company that has specialized in the manufacture and distribution of float & tilt level control devices for 45 years. Its success is due to the **CONTINUOUS INNOVATION, THE VERY HIGH QUALITY** of its products and its **ZERO DEFECT** policy.

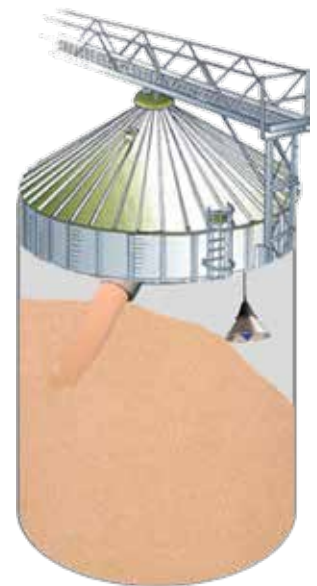
RANGE 6

TILT SWITCHES FOR POWDERS AND BULK SOLIDS

FOR ALL LIGHT POWDERS		FOR BULK SOLIDS	
SOLIBA SPÉCIAL	SOLIBA SPÉCIAL Ex	SOLIBA PLUS	SOLIBA PLUS Ex
			
Switching angle $\pm 10^\circ$	Switching angle $\pm 10^\circ$	Switching angle $\pm 10^\circ$	Switching angle $\pm 10^\circ$
Non certified	"P" and "GP" version	Non certified	"GP" version
By tilting	By tilting	By tilting	By tilting
Bulk solids high level measurement	Bulk solids high level measurement	Bulk solids high level measurement	Bulk solids high level measurement
Only in "non explosive" areas	ATEX certified device for hazardous areas 0, 1, 2 and 20, 21, 22	Only in "non explosive" areas	ATEX certified device for hazardous areas 21, 22
85°C	T6 i.e. from -20°C to +70°C idem for storage	85°C	T6 i.e. from -20°C to +70°C idem for storage
IP68 <input type="checkbox"/>	IP68 <input type="checkbox"/>	IP68 <input type="checkbox"/>	IP 68 <input type="checkbox"/>
250 VAC - 50/60 Hz	24 VAC/VDC - 10 mA mini or 12 VAC/VDC 100 mA mini	240 VAC - 50/60 Hz	240 VAC - 50/60 Hz
20 (8) A (20 A resistive - 8 A inductive)	10 (4) A / Protection with an intrinsic safety relay for the "GP" version	20 (8) A (20 A resistive - 8 A inductive)	10 (4) A / Protection by means of a 1 A calibrated fuse
Copolymer polypropylene + stainless steel food 18/10	Copolymer polypropylene + HR HY vulcanized + stainless steel food 18/10	Copolymer polypropylene + cast aluminum	Copolymer polypropylene + HR HY vulcanized + cast aluminum
Neoprene	HRHY	Neoprene	HRHY
Height 210 mm Ø 200 mm	Height 210 mm Ø 200 mm	Height 280 mm Ø 170 mm	Height 280 mm Ø 170 mm
762 g	795 g	2462 g	2495 g
Neoprene 115 g/m	HRHY 110 g/m	Neoprene 115 g/m	HRHY 110 g/m
Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g	Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g	Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g	Loaded resin 250 g or 350 g - Adjustable 220 g - "clip" ballast 275 g
5,6,10,13,15,20,25 and 30 m	5,6,10,13,15,20,25 and 30 m	5,6,10,13,15,20,25 and 30 m	5,6,10,13,15,20,25 and 30 m

SOLIBA SPECIAL

For high level detection of very light products of all kinds.



SOLIBA PLUS (very robust)

For high level detection of heavy products in all types of conveyors transporting loads of excessive heights in the industry, quarries, etc.

