



TeleMetrix

Level Switch for solid products Tilt-Switch Series 2030

2030 TS Series "Tilt Switch Mercury-Free Integrated Electronics" sensors are used for high or low level detection, flow rate, pulverulent product stuffing. According to the new guidelines, the probes no longer contain mercury and must be used with the electronic module

2035.



- ◆ Replaces mercury sensors without modification.
- ◆ Simple detection is insensitive to dust and vapor.
- ◆ Ultra-rugged version (2032TS)
- ◆ STAINLESS STEEL (2030TS)
- ◆ Integrated timer eliminates the effects of vibration
- ◆ Single wiring (2 wires)
- ◆ Possible Option : Palet of wear, product with low density.
- ◆ Special made-to-measure production

Principle of Operation :

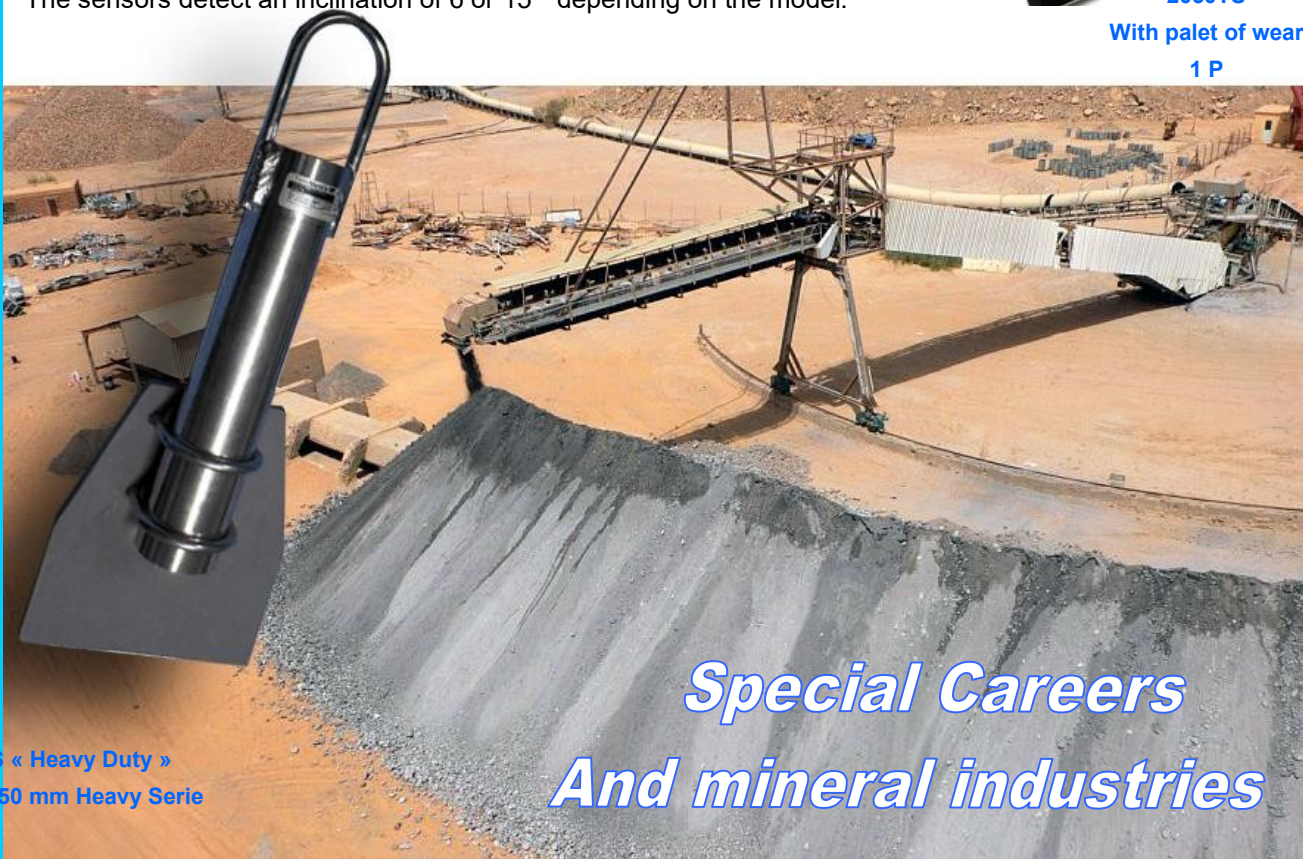
The probe is suspended by means of a cable or a chain at the desired height of the product detection (only adjustment). When the product reaches the probe, the probe tilts at the natural angle of the slope (25-30 °) and thus causes detection. When the level drops by releasing the probe, it returns to the vertical. The sensors detect an inclination of 6 or 15 ° depending on the model.



2030TS

With palet of wear

1 P




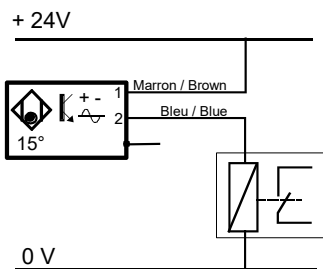
2032TS « Heavy Duty »

Diameter 50 mm Heavy Serie

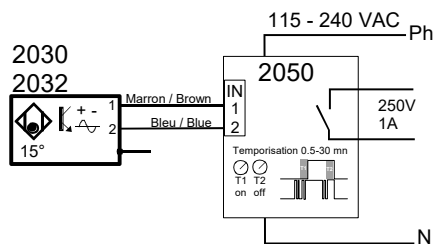
*Special Careers
And mineral industries*

Characteristics

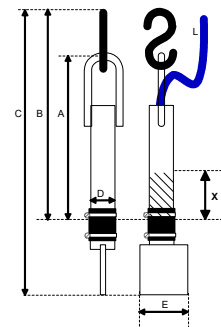
Référence	2030TS <i>Standard</i>	2032TS <i>Mercury</i>	2030M <i>Mercury</i>	2032M <i>Mercury</i>	2030HT <i>High temperature</i>	2032HT <i>High temperature</i>	2030X <i>ATEX</i>	2032X <i>ATEX</i>
Dimensions (mm)	(A) 240 (B) 340	(A) 290 (B) 390	(A) 240 (B) 340	(A) 290 (B) 390	(A) 240 (B) 340	(A) 290 (B) 390	(A) 240 (B) 340	(A) 290 (B) 390
Diameter (mm)	25	50	25	50	25	50	25	50
Weight(kg)	1.2	3.8	1.2	3.8	1.8	4.3	1.3	3.9
Cable Length (m)	3	10	3	10	10	10	6	
Temperature range (°C)	- 20 to +50		- 20 to +50		Continue : -25 to + 150 During 3 mn : 280		- 20 to +50	
Protection	IP67		IP67		IP67		IP67	
Manufacturing	Stainless steel	Steel & zinc processing	Sealed stainless steel	Steel & zinc processing	Sealed stainless steel	Steel & zinc processing	Sealed stainless steel	Steel & zinc processing
Detection (Angle with respect to the vertical, whatever the direction)	±15 °		±6 °		±6 °		±15 °	
ATEX	NO		NO		NO		Zone 21, 22 II 1/2D Ex ia IIC T4 	
Certification	CE CSA ⁽¹⁾		CE CSA ⁽¹⁾		CE CSA ⁽¹⁾		CE CSA ⁽¹⁾	
Technology	Electronic without mercury		Mercury < 0.2 cm3		Mercury < 0.2 cm3		Electronic without mercury	
Supply Voltage	12 – 48 VAC/ VDC		Max : 240 VAC		Max : 240 VAC 0.5A (sur charge résistive)		8 VDC ⁽²⁾ According to Standard Namure	
Maximum vertical current ON(A)	0.12		0.5 sur charge résistive		0.5 sur charge résistive		30 mA ⁽²⁾ According to Standard Namure	
Current in inclined position OFF(A)	0.004		0		0		1mA ⁽²⁾ According to Standard Namure	
Timing from ON to OFF (ms)	750		NO		NO		YES	
Timing from OFF to ON (ms)	100		NO		NO		(Shock absorbers)	



Classical wiring on Automaton or relay



Wiring with a 2050 control unit automate ou relais



Options

- 2030PAD Rubber wear pallet for 2030 probe Dimensions: 90mm & (C) = (B) +90
- 2032PAD Anti-abrasion steel wear pad 2032 probe Dimensions: 125mm & (C) = (B) +70
- 2050M : 220V control box with adjustable relay and delay

Applications

Detection: high level, stuffing, level control for grinder, vein detection, tape offset ...

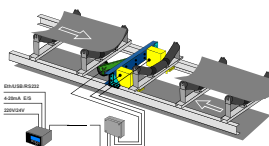
Associated products



Emergency stop to cable



Rotation controller



Integrating scale



Weighing sensor



Flow Detector

TeleMetrix

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