

Electric protections	res. Of polarity and short circuit.
Construction features	
Type of sensor	Ceramic
Process threads DIN-3852-E	1/2 BSP. Others on request: 3/8, 1/4 BSP. 1/2, 3/8 and 1/4 NPT
Possibility of remote seal	Yes. See program of separators seals.
External body material	Stainless steel
Degree protection	IP68 (EN60529)
Electrical connection	By special wire (3x0,34 mm ²), double sealing chamber and reference tube to outside
	atmospheric pressure balance.
Temperature	-5+90 °C (Enverioment)10+80 °C (Storage)
Weight	< 300 gr.
Approval	RoHS: Yes
	CE: 97/23/EG and 89/336/CE (EN61326)

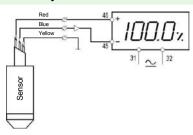
Minimum	Typical	Maximum		
0,2	0,3	0,4		
2,0	-	3,2		
0,012	-	0,018		
- 25		+ 125		
< 10 ms				
> 2 KV				
	0,2 2,0 0,012	0,2 0,3 2,0 - 0,012 - - 25 < 10 ms		

Operating scales (mBar)

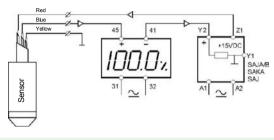
Range	0,25	0,50	0,75	1,00	1,60	2,50	4,00	6,00	10,0	16,0	25,0	40,0	60,0	100,0	160,0	250,0
Maximum pressure	1,00	1,00	2,00	2,00	2,00	5,00	5,00	10,00	20,00	20,00	50,0	50,0	100,0	200,0	200,0	400,0
Breaking pressure	2,00	2,00	5,00	5,00	5,00	12,00	12,00	25,00	50,00	50,00	120,0	120,0	250,0	250,0	250,0	500,0

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	Cable Features	The wire consists of three tinned copper conductors plus a nylon tube and a stainless steel portor flexible, all wired and shielded with aluminum-polyester tape and tinned copper drain wire and PVC outer jacket, ready for immersion in water, even salt. Wire free of dangerous products.
	Outer section (approx.)	9 mm
	Color outer sheath	Blue - Ral: 5015
	Cover material	Acrilic PVC TM5 as rule UNE 21031/13
	Tube atms compensation.	Nylon 1x2
	Electric conductors	3x0,34 mm ² (UNE 21064)
	Cable steel portor	1 mm
	Breaking load	110 Kg.
	Approximate weight	100 gr/m
	Electrical resistance conductor 20 °C	59 Ω/Km
	Color code	
	Process temperature	-5+70 °C
	Wire handling	As the wire fundamental to the proper functioning of submersible level transmitter, you should take special care in handling, avoiding it during installation can be a cut or tear in the outer shell. This circumstance would allow liquid penertración inutilizándose completely inside the level transmitter. In the event that the wire will have to be interconnected with another conductor, the connection is made via a shunt box located on the outside of the measuring installation (therefore be discarded any interconnection within the medium). The plastic tube located inside the hose should not obstruct, since the transmitter takes the atmospheric reference level through it and will have special cuidadoque its interior there is no possibility of entry of moisture, liquid or any similarly as it would severely damage the level transmitter.
	Protections	As these hydrostatic pressure transmitters accidentally subjected to damage by environmental effects (lightning), on the situation in the field is highly desirable placement of elements of protection against these effects.
	General conditions of Installation	Before installing the transmitter shall be verified that all materials will be in contact with the process are compatible to avoid destruction. The presence of air chambers between the sensor and process fluid applications result in a malfunction of the transmitter (non-linearity, erroneous readings). To extend the wiring outside the medium was used two-conductor cable, thereby avoiding placing it in locations that exist inductive character dispersions because their effects may damage the electronic elements of the transmitter. In some cases it is advisable to use shielded cable connecting the grounding braid. As the ceramic sensor transmitter is very fragile tendráespecial care in handling and should not ever be subjected to a higher pressure which determines its characteristics because the ceramic sensor would deteriorate (water hammer overpressures point for unwanted effects, etc.).

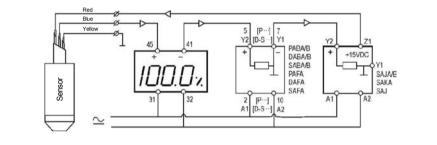
Only visualization

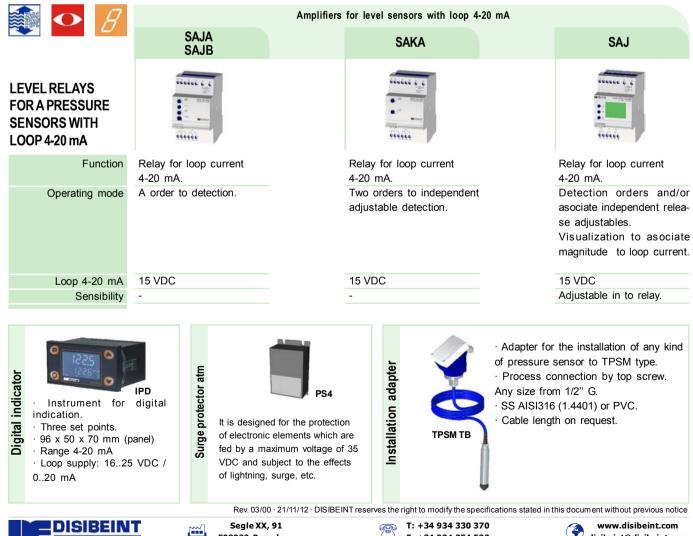


Sensor supply and 1 or 2 order points



Sensor supply and use of several models





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