

## TRANSBAR53 - METAL CELL PRESSURE TRANSMITTER

Transbar 53 is suitable for the measurement gas, vapor and liquid pressure, in all industrial sectors, thanks to the measuring cell entirely welded. Vacuum resistant execution.

The measuring cell is the central element of the transducer which converts the detected pressure into an electrical signal. This signal, pressure dependent, is transformed by the electronic unit integrated into a standard output signal. The metallic measuring cell, completely welded, is suitable for the measurement ranges higher. For measuring ranges up to 16 bar is used a piezoresistive sensor element with internal transmission liquid, from 25 bar is used a strain gauge DMS plate on the rear side of the stainless steel diaphragm. This dry system works without additional transmission fluid.

The adjustment of the instrument is carried out via a keypad and adjustment module or by a PC with optional software service. You can also use a HART Communicator.

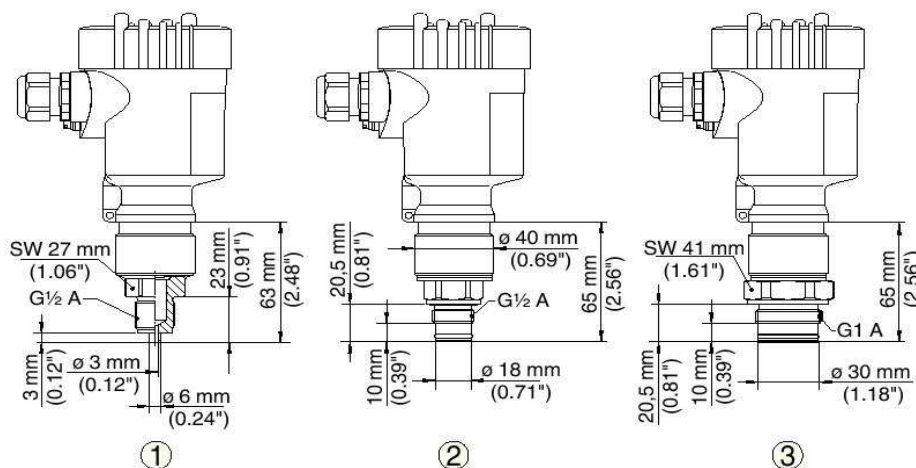


Display di programmazione (opzione)



## TECHNICAL SPECIFICATIONS

Range:	-1 ...+1000 bar /-100 ...+100000 kPa (-14 .5 ...+14503 psig )
Minimum range:	0.1 bar /10 kPa (1 .45 psig )
Deviation:	<0.2, optional up to <0.075
Process connection:	thread G ½ (EN 837), ½NPT, thread G ½ (ISO 228-1) facing, flange DN 25-1", hygienic fittings
Process temperature:	-40 ...+150°C (-40 ...+302°F)
Ambient and storage temperature:	-40 ...+80°C (-40 ...+176°F)
Operating voltage:	ranges <100 bar = 12 ... 36 VDC; ranges ≥100 bar = 14 ... 36 VDC
SIL:	up to SIL 2
Process connection material:	S.S. 316Ti or Hastelloy C4,
Process diaphragm:	S.S. 316Ti and/or Elgiloy 2.4711
Process seals:	FKM, FFKM, EPDM and NBR
Housing:	resine, stainless steel or aluminum, one or two measuring chambers
Protection:	up to IP 68 (1 bar)



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