

# PRESSURE TRANSDUCER MODEL SP 105



## OUTSTANDING CHARACTERISTICS

- High accuracy
- Harsh environments resistant
- Low cost
- Compact design

## DESCRIPTION

TECMES pressure transducer model SP 105 is a piezoresistive sensor with 4 - 20 mA output, in 2 wires.

Its special configuration makes it optimal for conductive and hostile gases and fluids where an excellent stability in the long term is needed.

The ranges are from 0 - 0,3 Kg/cm<sup>2</sup> up to 0 - 300 Kg/cm<sup>2</sup>.

The sensor is built in stainless steel with the electrical circuit protected from humidity and vibration and all the sensors are computer tested, calibrated and serialized.

## SPECIFICATIONS

<i>Sensor:</i>	Piezoresistive
<i>Pressure Port:</i>	½ " NPT
<i>Ranges:</i>	0 to 0,3 kg/cm <sup>2</sup> : Model SP 105-0,3 0 to 0,7 Kg/cm <sup>2</sup> : Model SP 105-0,7 0 to 2,0 Kg/cm <sup>2</sup> : Model SP 105-02 0 to 7,0 Kg/cm <sup>2</sup> : Model SP 105-07 0 to 16,0 Kg/cm <sup>2</sup> : Model SP 105-16 0 to 30 Kg/cm <sup>2</sup> : Model SP 105-AP030 0 to 60 Kg/cm <sup>2</sup> : Model SP 105 – AP060 0 to 100 Kg/cm <sup>2</sup> : Model SP 105 – AP100 0 to 300 Kg/cm <sup>2</sup> : Model SP 105 – AP300
<i>Linearity and Histeresis:</i>	+/- 0,2%
<i>Operating Temperature:</i>	0 to + 60° C.
<i>Termal Shift:</i>	+/- 0,05% /° C (Between 0 y 50°C)
<i>Pressure:</i>	3 times the range or 30 Kg/cm <sup>2</sup>
<i>Output:</i>	4-20 mA, 2 threats
<i>Power:</i>	13 – 30 Vcc, protected for polar inversion
<i>Sensor element and Body:</i>	AISI 316 Stainless Steel
<i>Ajusments:</i>	Zero and span
<i>Materials in contact with the middle:</i>	Stainless Steel
<i>Dimensions:</i>	Diameter 34 mm, length: 135 mm.



## APPLICATIONS

- ✓ **Control Processes**
- ✓ **Measures Level**
- ✓ **Refrigeration**
- ✓ **Compressors**
- ✓ **Machinery and tools**

Other specifications and ranges available upon request

Made in Argentina

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