# **TPSADA** DIGITAL AUTOZERO & SPAN OPTION



#### Main Features

- Coarse Magnetic Autozero
- Fine Magnetic Autozero
- Calibration Signal 80% FS
- Magnetic Autospan
- Partial reset function
- Total reset function

Digital "Autozero & Span" option makes the pressure transmitter **TPSA Series** a product extremely innovative and versatile. Designed thanks to the advanced electronics used by TPSA, this function allows zero and span adjustment in a simple, fast and reliable way, avoiding to use analogue trimmer, potential weak point and source of possible drifts or failures. The starting is user friendly, simply touching the specific target marked on the sensor body with a pen with magnetic head (included as standard). Within few seconds the operation is concluded, without the need to dismantle or to open the instrument.

## **TECHNICAL DATA**

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Autozero	±10%FS max with zero setting within the sensor accuracy class, @ °T Amb.
Autozero Setting Time	110 seconds
Fine Autozero Adjustment	Resolution 6 mV (voltage output); 12 µA (current output)
Fine Autozero Adjustment Amplitude	±100 mV (voltage output), ±0.16 mA (current output) by successive steps with
	maximum setting time 5 sec. per step
Calibration Function	Signal output generation of 80% FS @ °T Amb.
Calibration Function Setting Time	>1 sec. (by contacts closed in CAL position)
Autospan	±5%FS max with span setting within the sensor accuracy class, @ °T Amb.
Autospan Setting Time	110 sec. (by contacts closed in CAL position)
Partial Reset	Restore of zero factory setting
Partial Reset Setting Time	3060 sec
Total Reset	Restore of complete factory setting
Total Reset Setting Time	>60 sec
Function Activation	By pen with magnetic head (PKIT 312)

## **INSTALLATION DRAWINGS**



Dimensions: TPSADA, due to the autozero & span board, is 5 mm (0.197 in) longer, so dimension "L" on TK data sheet becames 75 mm (2.95 in).

CAL function pin: The activation of CAL function (Calibration and Autospan) is made by closing the contact between the following pin: - 6 pole connector version (V) pin E-F - 7 pole connector version (P) pin 5-6

Please refer to the standard data sheet for all the remaining mechanical and electrical specifications.

## **ORDERING INFORMATION**



Electrical installation requirements and Conformity certificate are available on our web site: www.gefran.com

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice



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