**Product Data Sheet**
**2022-2023**

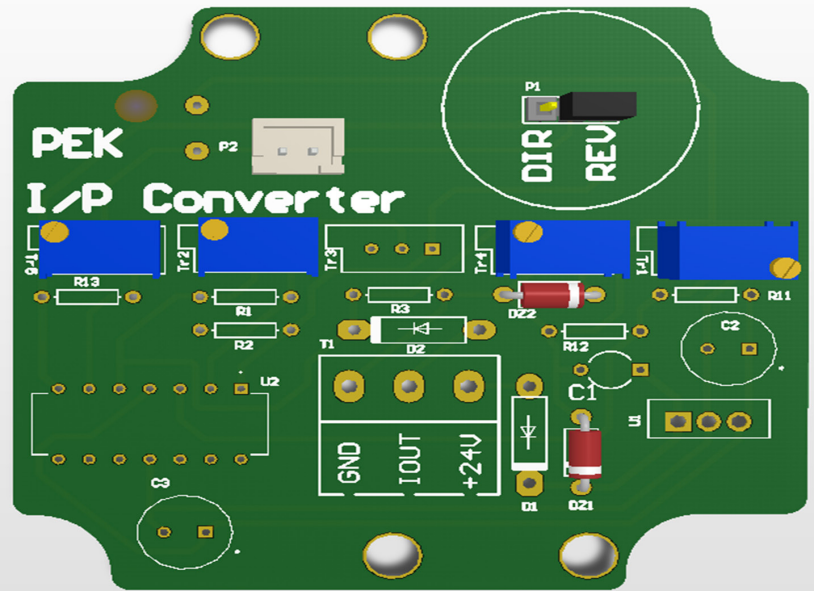
# Current to Pressure Transducer (I/P)

# PEK141

## Description

IP pressure transducers are transducers that convert current into pressure Unlike pressure transmitters, they are responsible for converting the electrical quantity of current into the physical quantity of pressure.
One of the main differences between this equipment and transmitters is the use of this equipment in converting low pressure signals (for example in the range of 3 to 15 psi).
These converters must have high accuracy and the ability to adjust zero and Span.
Flow-to-pressure converters are usually mounted on rails or on boards with screws.
Pars Electronic Kish IP device works in two modes: Reverse and Direct.

## wiring I/P

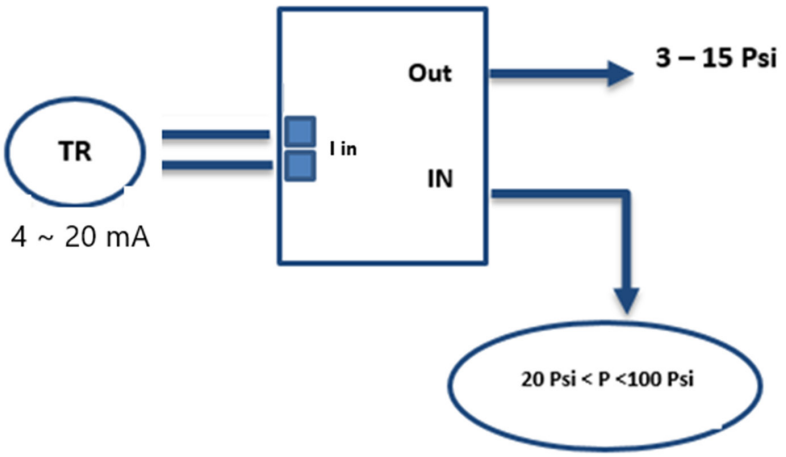



## Introduction of sections

| Row | Explanation |
|---|---|
| 1 | I/P input voltage connector |
| 2 | Power supply terminal and input current |

## How to wire and set up I/P

Since I/P uses a current output of 4 - 20 mA to adjust the pressure output, we can do the wiring according to the figure below.

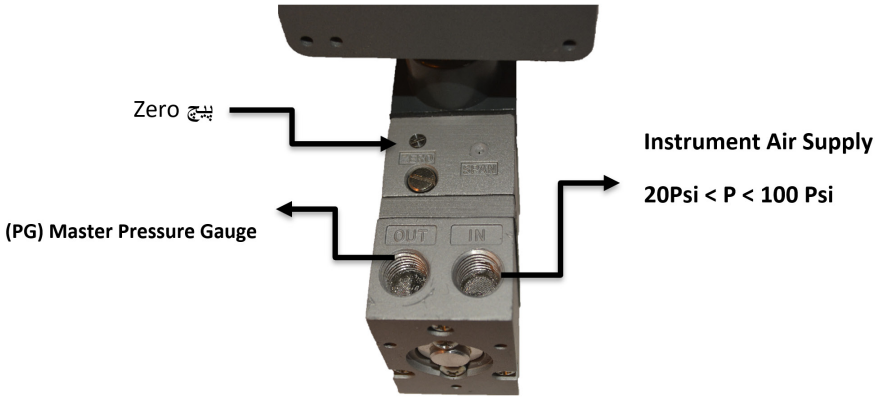


## calibration

To set up and perform the calibration, we first need to make the initial settings, which are as follows:

Zero setting: To set I/P in the above modes, first apply 4mA to the I/P input.

In this case, we can set the I/P output to I/P with the Zero screw (figure below) and set the I/P output pressure to 3psi.



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