

Pressure ranges

In each case four different pressure ranges depending on the type of device can be preset via DIP switches **DIP 1** and **DIP 2**

Measuring range mode

The measuring range is configured via DIP switch **DIP 3**, either into the unidirectional range or into the bidirectional range.

Therefore, altogether eight pressure measuring ranges are configurable.

Characteristic line – analog output

The output characteristic line can be defined via DIP switch **DIP 4**. Here is distinguished between a linear and a square root extracting output line. When square root extracting output characteristic line is selected, the measuring range setting at DIP switch **DIP 1** and **DIP 2** is without function.

In that case the maximum pressure is used for computation.

Measurement signal filtering

In order to stabilize the pressure measurement signal and the output voltage, the measurement signal is filtered.

The time interval for such averaging can be preset via DIP switch **DIP 5** to 1 or 10 seconds.

By longer filtering interval, the setting time of the sensor is automatically extended.

Offset adjustment is done at a potentiometer on the circuit board within an adjustment range of $\pm 10\%$ of the device's pressure range.

Ex-factory this potentiometer is in center position and is lacquer sealed.

All settings and adjustments that are made before must be done in this configuration

Offset adjustment is carried out using a screwdriver.

Automatic offset setting

1. Before setting the zero point, the device must be in operation for at least 60 minutes.
2. Connect pressure inputs P (+) and P (-) by means of a hose (pressure difference between both inputs = 0 Pa).
3. For zero point setting press button uninterruptedly for 5 seconds.

A LED signalizes prompting the calibration by short flashing and after a short countdown the measured (current) offset value is added to the measurand and zero voltage safe stored.

Correct calibration is confirmed by steady light of the LED for 3 seconds respectively indicated in the display (optional) by switching from "AUTO 0" to "PROG 0".

Note: By releasing the button during the countdown (counter >0), zero point setting is immediately terminated.