

**Calibration:**

The standard Series 2000 Transmitter is equipped with 3 pushbuttons and a display. Both the measured and the calibrated value can be read locally. A full calibration can be completed using the three pushbuttons or with the optional handheld terminal (HART®), or with special software from Klay Instruments.



**Standard adjustable points are:**

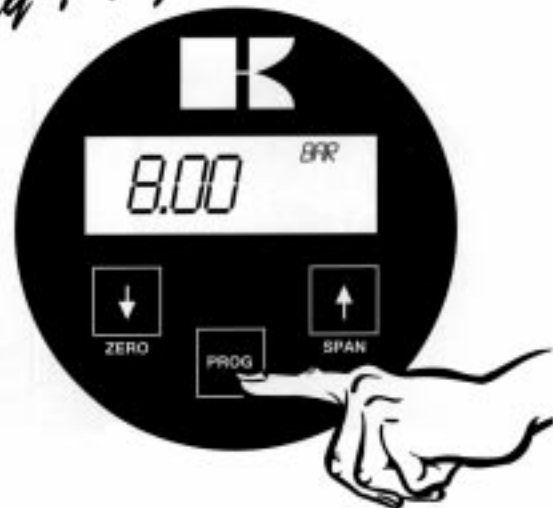
**Adjustable points**

- P101 Zero adjustment (4 mA)
- P102 Span adjustment (20 mA)
- P103 Cancel mounting position effect
- P104 Adjustment pressure unit (see conversion table)
- P105 4 - 20 mA (\*)  
20 - 4 mA (reverse output)
- P106 Damping adjustment (0 to 25 sec)
- P107 Indication of processtemperature (read out on display)
- P108 0 = DEGR °C (\*)  
1 = DEGR °F
- P109 Read out on display:  
0 = current (4 - 20 mA)  
1 = pressure unit  
2 = percent %
- P110 Current simulation (4 - 20 mA)
- P111 Linearisation

Zero and span can be calibrated very easy, WITHOUT A TESTPRESSURE, also in vacuumranges. Special linearisation can be made for horizontal tanks (P111). For all other adjustable points see table left.

The series 2000 will as standard be delivered with 2 closed covers, so the 3 pushbuttons and the display are behind the cover. A cover with transparant plastic can be delivered as an option. In that case you can use the display as a local indicator.

*Easy Programmable*



Local display with 3 pushbuttons (standard)

**Temperature compensation:**

All pressure- and leveltransmitters from Klay Instruments are fully temperature compensated. A temperature sensor, which monitors the process temperature, is mounted directly behind the diaphragm. The output of this sensor is used to compensate the transmitter for temperature variations.

**RFI/EMC/CE**

Klay Instruments manufactures all pressure- and leveltransmitters according to the new RFI/EMC and CE rules. All transmitters are equipped with RFI filters as standard.



**Intrinsic safe certificate**

The 2000 series will be available with the Intrinsic safe certificate acc. to CENELEC, EEx ia IIc T4



**Profibus PA**

The complete 2000 series will be available with PROFIBUS-PA output. Option, in demand.



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