



Name :	SENSE Pressure transmitter STK131
Type :	STK131
Specifications :	<ul style="list-style-type: none">• Fixed measuring ranges up to 700bar• Compact construction• Simple mounting• Excellent long term stability• Long operational life• Low price• Option: HART-Communication• LCD display

Nominal Pressure Ranges:

* **Range:** 0...10KPa Up to 0...700bar(gauge) 0...350bar(absolute)

Mounting Simplicity:

* The STK131 can be mounted in any orientation(Vertical, Horizontal, or inverted) without affecting its performance.

* M20X1.5 process connection(standard, others on request), 304SS

4 to 20mA output

10.5 to 45VDC power supply

Power supply(polarity protected):

* **Supply voltage:**10.5...45 VDC

Output signal:

* **2-wire:** 4...20 mA(standard), Option: HART-protocol

* **3-wire:**1...5 V(optional)

Performance:

* **Communication resistance(for HART-protocol):** 250 Ω

* **Accuracy:** Nominal range 0.2%

0.25% accuracy for range trun down 1.5:1

0.5% accuracy for range trundown 2:1

* **Permissible load:** $\leq 1000\Omega$

* **Long term stability:** Typically 0.15% per year

* **Rise time:** 200 ms (without consideration of electronic damping)

* **Thermal effect :** $\pm 0.02\%$ FS/K

Electrical protection:

- * **Insulation resistance:** >250MΩ
- * **Short-Circuit protection:** Permanent
- * **Mis wiring:** No damage, and no function
- * **Overvoltage protection:** 500 V
- * **Intrinsic safety:** Exia II CT4~T6
- * **Power supply influence:** Negligible
- * **Vibration effect :** <0.01% of URL /g
when tested 200Hz in any axis relative
- * **Installation position:** Any

Permissible temperature:

- * **Medium :** -30...85°C
- * **Environment :** -30...85°C
- * **Storage :** -30...85°C

Process connections :

- * **Standard :** M20X1.5
- * **Optional :** G1/2/NPT1/2/NPT1/4/G1/4
Others: on request

Materials :

- * **Housing :** 304SS
- * **Seals :** FPM/Others: on request
- * **Process connection :** 304SS

Display(option) :

- * **Type :** 4-digit, red LED display, digit height 7mm, digit width 4.85mm
- * **Range :** -1.9.9.9. To 9.9.9.9.