

**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  $\Omega$

\* **Accuracy:** Nominal range 0.2%  
0.25% accuracy for range trundown 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:**  $>250M\Omega$

\* **Short-Circuit protection:** Permanent

\* **Miswiring:** 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.