



Name :	SENSE Pressure transmitter STK135
Type :	STK135
Specifications :	• Ceramic sensor with diaphragm Al₂O₃, 99.9% (Standard) • Ceramic thick sensor, Silicon sensor (Optional) • Corrosive or abrasive applications • Short reaction time • Extremely high overload limit • Range: -0.1 ~ 70MPa • Option: LCD display

Technical data:

- * **Supply voltage** : 12...45 VDC
- * **2-wire-system** : 4...20 mA with superimposed signal for HART protocol digital communication
- * **3-wire-system (optional)** : 1...5V
- * **Signal range** : 3.8mA.....22.8mA
- * **Signal on alarm** : 3.8mA/ 22.8mA/Others on request
- * **Accuracy** : Nominal range 0.1%
0.25% accuracy for range trundown 4:1
0.5% accuracy for range trundown 10:1
- * **Power supply effect** : Negligible
- * **Vibration effect** : <0.01% of URL /g when tested 200Hz in any axis relative
- * **Thermal effec** : ±0.05%/10K
- * **Compensated temperature range of sensor** : -20...80°C
- * **Permissible load** : ≤50(V-12)Ω

- * **Stability** : 0.1% FSO/Year
- * **Switch on delay** : 5s
- * **Damping :0 to 100s, step** : 0.1s
- * **Response time** : 200 ms (without consideration of electronic damping)
- * **Self stability configuration** : 0 to 2%
- * **Filter configured** : 0 to 160 uA
- * **Communication resistance for HART Protocol** : Typ. 250 Ω

Areas of application:

*Absolute pressure and gauge pressure in gases, Steams or liquids in all areas of process engineering
and process measurement technology.