

SensorEngineering designs HPHT Pressure Sensor Sub Units

For temperatures up to 200°C (400°F) and pressure ranges up to 15kpsi, SensorEngineering of Germany, offers fully welded pressure sensor sub unit designs including versions with integrated primary analog electronics for instrumentation in oil and gas exploration and exploitation as well as in geothermal applications. SOI semiconductor technology and hermetically sealed housings combined with 30 years of experience in piezoresistive sensor technology are basics to fit the harsh environmental requirements. For engineering support and custom design requirements, please contact us.



Technical Design Parameters for HPHT Pressure Sensor Sub Units:

- **Temperature:** $\leq 200^{\circ}\text{C} / 400^{\circ}\text{F}$
- **Pressure Ranges:** up to 15kPSI (1350 BAR)
- **Housing Material:** 316L/17-4/Inconel
- **Stability:** $\leq 0.3\% \text{FS} (< 200^{\circ}\text{C})$
- **Output Signals:** ca. 1...4V for temp and press for digital compensation by customer
- **Supply:** 12...28VDC (5V optional)

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