



High Pressure Transducers - Overview

Types	Main Specifications			
	Measurement Range	Sensitivity - nominal	Natural - Frequency	Operating Temperature Range
<p>SL31D-200</p>  <p>M10 Strain gauge measurement principle.</p> <p>Injection line pressure measurement at GDI engines.</p> <p>Hydraulic and pneumatic applications until 200 bar.</p> <p>Static and dynamic measurement</p> <p>Thermal Sensitivity Shift: <math>\pm 1\%</math> at 20...120°C (68...248°F)</p>	<p>0...200 bar</p> <p>0...2900 psi</p> <p>0...20 MPa</p>	<p>3.0×10^{-3} mV/V x bar</p> <p>2.1×10^{-4} mV/V x psi</p> <p>3.0×10^{-2} mV/V x MPa</p>	<p>50 kHz</p>	<p>Up to 120°C (248°F)</p>
<p>SL31D-2000</p>  <p>M10 Strain gauge measurement principle.</p> <p>Injection line pressure measurement at Common Rail engines and conventional systems.</p> <p>Hydraulic and pneumatic applications until 2000 bar.</p> <p>Static and dynamic measurement</p> <p>Thermal Sensitivity Shift: <math>\pm 1\%</math> at 20...120°C (68...248°F)</p>	<p>0...2000 bar</p> <p>0...29000 psi</p> <p>0...200 MPa</p>	<p>4.5×10^{-4} mV/V x bar</p> <p>3.1×10^{-5} mV/V x psi</p> <p>4.5×10^{-3} mV/V x MPa</p>	<p>100 kHz</p>	<p>Up to 120°C (248°F)</p>