

## **Miniature Dynamic Pressure Sensors for Diesel, Gas Engine Combustion**



PCB Piezotronics introduced Series 105, a family of ICP miniature dynamic pressure sensors for monitoring dynamic combustion pressure in diesel and natural gas powered engines and other reciprocating equipment. Proper monitoring allows for extended maintenance intervals, improved fuel efficiency and low NOx emissions. Sensors feature piezoelectric sensing elements with fast response times and are best suited for continuous monitoring or periodic walk-around cylinder balancing. Additionally, Series 105 features a 4.2 mm diaphragm and M5 thread, mounted internal to the engine. Frequency response may be tailored for use on low or high-speed engines. Series 105 pressure sensors have ranges to 3,600 psi (250 bar) and a max. pressure of 4,000 psi (300 bar). Well-suited for high temperatures up to 570°F (300°C), the sensors are packaged in stainless steel housings with rugged cables, integral charge amplifiers and connectors. Intrinsically safe versions are also available for explosive gas atmospheres.

**PCB Piezotronics, Inc.**

800-828-8840, [www.pcb.com](http://www.pcb.com) [1]

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