CORE SENSORS

Aircom Instrumentation Ltd.

SENSORS, TRANSDUCERS & TRANSMITTERS

Core Sensors is a US manufacturer of configurable and reliable pressure and temperature sensors, transducers, and transmitters for industrial and hazardous applications. Our advanced designs support a wide range of liquids and gases using stainless steel and high-strength nickel alloys, providing custom solutions with competitive lead times.

Leading MEMS Technology

Fast Lead Times

Highly Configurable

Assembled in USA

Hazardous Location Pressure Transducers

- Certified for Explosion-Proof, Intrinsically Safe, and Non-Incendive areas
- Standard materials include 316L SS, Hastelloy C276 and Inconel 718
- Pressures from <1 PSI up to 30,000 PSI
- Available with analog voltage (including 1-5V) and 4-20mA outputs
- Low-power supply output options for IoT

NON-INCENDIVE PRESSURE TRANSDUCERS
CSA Class I, Division 2, Groups A, B, C, D T4

	CS50	Pressures from 50 up to 30,000 PSI	Casing/tubing pressure, compressors, CNG, skids, and more
	CS51	Pressures from 1 up to 49 PSI	Vapor recovery, chemical injection
	CS54	Differential pressures from 0.5 PSID	Filtration, level measurement

EXPLOSION-PROOF PRESSURE TRANSDUCERS
CSA Class I, Division 1, Groups A, B, C, D T4 (Factory Sealed)

	CS60	Pressures from 50 up to 30,000 PSI	Wellheads, BOP's, compressors
	CS64	Differential pressures from 0.5 PSID	Filtration, level measurement

INTRINSICALLY SAFE PRESSURE TRANSDUCERS
CSA Class I, Division 1, Groups C, D T4 (when used with an approved current limiting barrier)

	CS80	Pressures from 50 up to 30,000 PSI	Casing/tubing pressure, compressors, CNG, skids, and more
	CS81	Pressures from 1 up to 49 PSI	Vapor recovery, chemical injection
	CS82	Pressures from 1 up to 50 PSI	Fuel level measurement, ballast tanks
	CS84	Differential pressures from 0.5 PSID	Filtration, level measurement