

High Temperature CP an CA Sensors For GE LM Applications

Vibro-Meter

CP 106 and CP 103 DYNAMIC PRESSURE SENSORS

Vibro-Meter's CP 106 and CP 103 dynamic pressure sensors have the capability to operate in extreme temperatures; their main specifications are :

- Extreme temperature capability -196°C to +700°C
- High pressure capability up to 250 bar
- Nominal sensitivity 232 pC/bar (16 pC/psi)
- Frequency response 2 Hz to 10'000 Hz



CP 106 is qualified by the OEM for LM2500, LM6000 and LMS100 gas turbines :

GT application			Sensor product information	
LMS100	LM2500	LM6000	OEM P/N	Vibro-Meter P/N
	X	X	L44723P01	143-106-000-011
X		X	L44723P03	143-106-000-111
		X	L44723P04	143-106-000-121

CP 103 is used on early versions of LM1600, LM2500 and LM6000 gas turbines :

GT application			Sensor product information	
LM1600	LM2500	LM6000	OEM P/N	Vibro-Meter P/N
X	X	X	L44550P01	143-103-000-532

Cables : All sensors are deliverable with Vibro-Meter's signal conditioners and rugged cables (for more information, ask Vibro-Meter's sales support and refer to specific product data sheets).

CA 303 ACCELEROMETER

On LM1600, LM2500, LM5000 and LM6000 gas turbines, Vibro-Meter's CA 303 accelerometer delivers higher performance, with the same form and function as the initial fit sensors; its main specifications are :

- Continuous operation up to 455°C (850°F)
- High sensitivity 50 pC/g
- Patented design for improved transverse frequency response.
- Refer to product data sheet for further information.



Gas turbine application				Sensor product information	
LM1600	LM2500	LM5000	LM6000	OEM P/N	Vibro-Meter P/N
X	X			L34246P03 / L34246P04	144-303-000-011
X	X	X	X	L34152P01 / L34152P04	144-303-000-111
	X			L31967P15 / L31967P25	144-303-000-211
		X		L31967P04 / L31967P19	144-303-000-221
		X		L31967P08 / L31967P21	144-303-000-241
			X	L31967P29	144-303-000-251
		X		L31967P10 / L31967P12 / L31967P23	144-303-000-271
		X	X	L31967P03 / L31967P18 / L31967P27	144-303-000-311
		X	X	L31967P05	144-303-000-331
		X		L31967P09 / L31967P11 / L31967P22 / L31967P30	144-303-000-381
		X		L31967P13 / L31967P14 / L31967P24 / L31967P31	144-303-000-391

Cables : All sensors are deliverable with Vibro-Meter's IPC signal conditioners and rugged cables (for more information, ask Vibro-Meter's sales support and refer to specific product data sheets).

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