

797LT

Low-frequency dual output sensor

SPECIFICATIONS

Sensitivity, ±5%, 25°C		500 mV/g	
Acceleration range		10 g peak	
Amplitude nonlinearity		1%	
Frequency response: ±5% ±10% ±3 dB		0.6 - 850 Hz 0.4 - 1,500 Hz 0.2 - 3,700 Hz	
Resonance frequency		18 kHz	
Transverse sensitivity, max		7% of axial	
Temperature response:	–50°C +120°C	–5% +5%	
Temperature output sensitivity, ±5%		10 mV/°K	
Temperature measurement range		223° to 393°K (–50° to +120°C)	
Power requirement: Voltage source Current regulating diode		Accelerometer 18 - 30 VDC 2 - 10 mA	Temp sensor 18 - 30 VDC 2 - 4 mA
Electrical noise, equiv. g: Broadband 2.5 H Spectral	z to 25 kHz 2 Hz 10 Hz 100 Hz	12 μg 2.0 μg/√Hz 0.6 μg/√Hz 0.2 μg/√Hz	
Output impedance, max		100 Ω	
Bias output voltage		10 VDC	
Grounding		case isolated, internally shielded	
Temperature range		–50° to +120°C	
Vibration limit		250 g peak	
Shock limit		2,500 g peak	
Shock limit		2,500 g peak	
Shock limit Electromagnetic sensitivity, e	equiv. g, max	2,500 g peak 5 µg/gauss	
	equiv. g, max		
Electromagnetic sensitivity, e	equiv. g, max	5 µg/gauss	
Electromagnetic sensitivity, e Sealing	equiv. g, max	5 μg/gauss hermetic	ear
Electromagnetic sensitivity, e Sealing Base strain sensitivity	equiv. g, max	5 μg/gauss hermetic 0.001 g/μstrain	ear
Electromagnetic sensitivity, e Sealing Base strain sensitivity Sensing element design	equiv. g, max	5 μg/gauss hermetic 0.001 g/μstrain PZT ceramic / sh	
Electromagnetic sensitivity, e Sealing Base strain sensitivity Sensing element design Weight	equiv. g, max	5 μg/gauss hermetic 0.001 g/μstrain PZT ceramic / sho 160 grams	el
Electromagnetic sensitivity, e Sealing Base strain sensitivity Sensing element design Weight Case material	equiv. g, max	5 μg/gauss hermetic 0.001 g/μstrain PZT ceramic / shu 160 grams 316L stainless ste	eel cket head screw



SENSORS & CONTROLS

Key features

•A ccelerometer with internal

temperature sensor

• Manufactured in ISO 9001 facility

safety wire hole 0.062 dia. 3 pin connector 1.30" 1.65" 0.26" 0.26" 1.4-28 mounting thr ead

Accessories supplied: #12105-01 captive screw (metric mounting available); calibration data (level 3)



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

ConnectionsFunctionConnector pinaccel, power/signalAaccel/temp commonBtemp sensor, power/signalCgroundshell

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