

TEDS low-frequency accelerometer

ED-797L

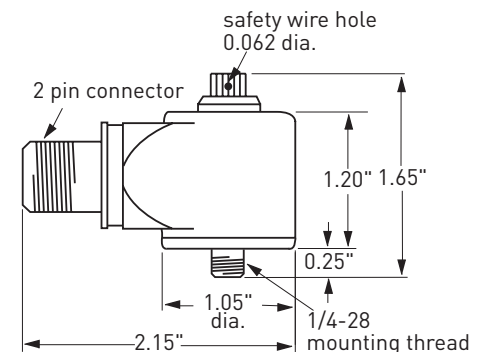
SPECIFICATIONS

Sensitivity, ±5%, 25°C		500 mV/g
Acceleration range		10 g peak
Amplitude nonlinearity		1%
Frequency response:	-5%	0.6 - 850 Hz
	-10%	0.4 - 1,500 Hz
	-3 dB	0.2 - 3,700 Hz
Resonance frequency		18 kHz
Transverse sensitivity, max		7% of axial
Temperature response:	-50°C	-8%
	+120°C	+5%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	12 µg
Spectral	10 Hz	2.0 µg/√Hz
	100 Hz	0.6 µg/√Hz
	1,000 Hz	0.2 µg/√Hz
Output impedance, max		100 Ω
Bias output voltage		10 VDC
Grounding		case isolated, internally shielded
Temperature range¹		-50° to +120°C
Vibration limit		250 g peak
Shock limit		2,500 g peak
Electromagnetic sensitivity, equiv. g		5 µg/gauss
Sealing		hermetic
Base strain sensitivity		0.001 g/µstrain
Sensing element design		PZT ceramic / shear
Weight		153 grams
Case material		316L stainless steel
Mounting		1/4-28 captive socket head screw
Output connector		2 pin, MIL-C-5015 style
Mating connector		R6 type
Recommended cabling		J9T2A



Key features

- Contains transducer electronic data sheet (IEEE 1451 - TEDS)
- Self-identifying
- High sensitivity; ultra low noise electronics
- Designed to integrate with wireless transmitters & receivers
- Manufactured in ISO 9001 facility



Notes: ¹ Temperature range is limited to -40°C to +85°C when using the IEEE 1451 - TEDS function.
Accessories supplied: #12105-01 captive socket head; TEDS calibration data



Connections		
Function	Connector pin	Cable conductor color
power/signal	A	white
common	B	black
ground	shell	shield

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