

# Full performance, compact sensors

## 780 series



### Reliable performance

Wilcoxon's 780 series of narrow, low profile, and lightweight sensors are ideal for portable data collection and online monitoring. Compact size allows installation in small areas and easy handling on walkaround routes. Hermetic seal and piezo-stabilization ensure a long sensor life and minimal signal drift, two of the quality and reliability traits for which Wilcoxon accelerometers are known.

### Sensitivity tolerance options

The series offers a variety of sensitivity tolerance choices. The 780A's tight tolerance of  $\pm 5\%$  is ideal for measurements on critical or failure-prone machinery. The wider tolerances of the 780B ( $\pm 10\%$ ) and 780C ( $\pm 15\%$ ) offer an economical choice for vibration trending or walkaround programs in which the exact sensitivity tolerance of the sensor can be programmed into the acquisition system.

### Additional features

- Embedded EMI/RFI shielding
- Acceleration range up to 80 g
- $\pm 3$  dB frequency range from 0.4 Hz to 14 kHz
- Exceptional performance-to-cost ratio
- Reliable performance in extreme environments
- 780A is available certified for hazardous areas

### Specifications

	780A	780B	780C
Sensitivity tolerance	$\pm 5\%$	$\pm 10\%$	$\pm 15\%$
Sensitivity	100 mV/g		
Acceleration range	80 g		
Frequency response, $\pm 3$ dB	0.4 Hz to 14 kHz		
Connector	2 pin, MIL-5015		
Protections	EMI/RFI, reverse wiring		
Operating temperature range	-50 to +120° C		
Weight	62 g		
Height	1.81 in / 46 mm		
Diameter	0.69 in / 18 mm		