

# Meggitt Sensing Systems

## Full performance, compact sensors

Wilcoxon Research® 780 series



### Reliable performance

Meggitt's 780 series of narrow, low profile, and light-weight 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 for.

### 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 $+120^\circ$ C		
Weight	62 g		
Height	1.81 in / 46 mm		
Diameter	0.69 in / 18 mm		

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**MEGGITT**  
smart engineering for  
extreme environments