



## 4-20mA Dual Output Industrial Vibration Sensor For Turbine Supervisory System

Our Product Introduction

### Basic Information

- Place of Origin: USA
- Brand Name: Wilcoxon
- Certification: CE
- Model Number: 787-T
- Minimum Order Quantity: 1 set
- Price: negotiated sale
- Packaging Details: Standard
- Delivery Time: 10-60days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 set/year



### Product Specification

- Wilcoxon Model: 787T
- Sensitivity: 100 MV/g
- Sensitivity Tolerance:  $\pm 5\%$
- Frequency Response  $\pm 3$  DB, Hz: 0.5 - 15,000
- Resonance Frequency: 22 KHz
- Max Temperature: 120°C
- Bias Output Voltage: Bias Output Voltage
- Electrical Noise 100 Hz: 5  $\mu\text{g}/\sqrt{\text{Hz}}$
- Temperature Sensor Output 10 MV/°C Sensitivity:
- Grounding: Case Isolated
- Mounting: Mounting
- Output Connector: 3-pin MIL-C-5015
- Compliance: CE •[CSA/ATEX/IECEX]
- Weight: 200g



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## Product Description

USA Wilcoxon Vibration and Temperature Dual output sensors; Turbine Supervisory system; Vibration sensors

Wilcoxon Sensing Technologies is a leading manufacturer and supplier of reliable, high-quality vibration monitoring products. Our solutions are at work in predictive maintenance and condition monitoring programs around the world. We design and manufacture a wide range of accelerometers, 4-20mA vibration transmitters and loop-powered sensors, velocity sensors, cable & connector assemblies, cementing pads and mounting studs, enclosures, handheld vibration meters and supportive instrumentation, and more. Our solutions are built to last, helping you effectively monitor rotating machinery in industrial, underwater and defense applications.

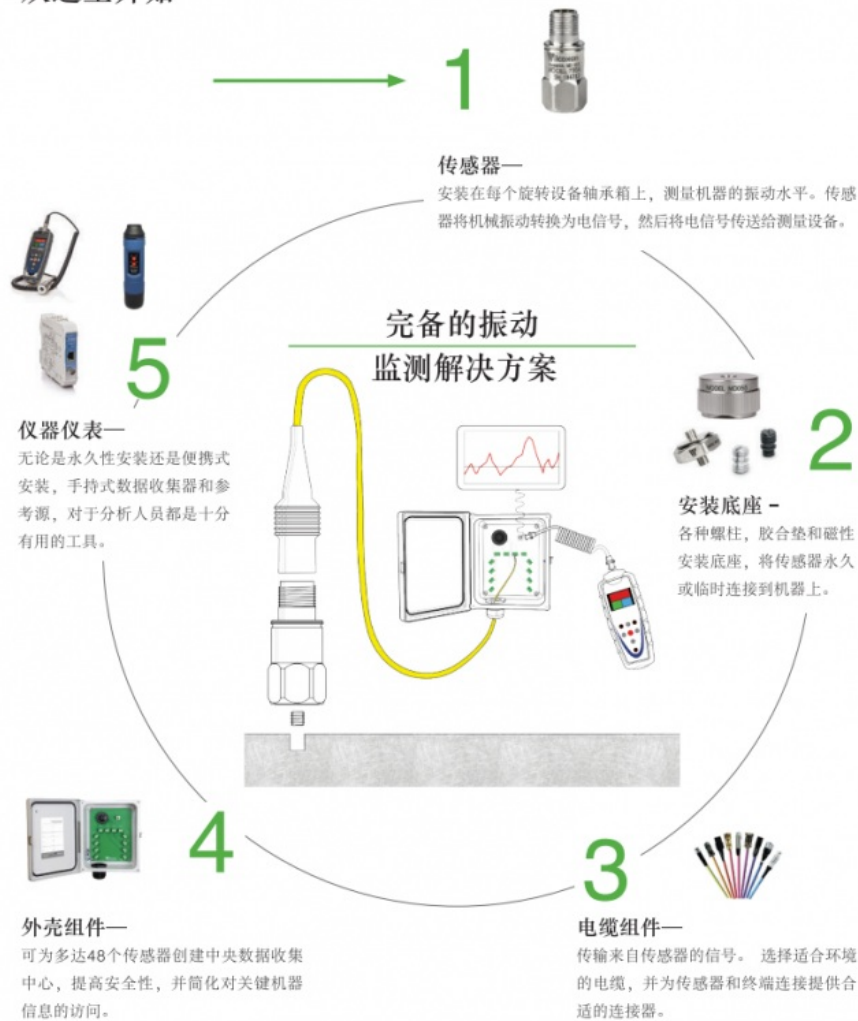
### Heavy industry

- Paper Industry
- The oil and gas industry
- Steel industry
- Power Industry
- Petrochemical Industry
- ◆ Light Industry
- Food Industry
- Pharmaceutical industry
- Machine Tool industry
- Water treatment industry

### Monitoring equipment:

- Motor - AC/DC/frequency conversion
- Fan - induced draft fan/supply fan/air cooler
- Machine pump - horizontal/vertical/underwater
- Gearbox - reducer/speeder/low speed/high speed
- Cooling tower - direct drive/gearbox/truck drive
- Compressor - screw/reciprocating (piston)
- Cooling unit
- Steam Turbine - gas/steam turbine
- Blender - Chemical/food processing
- Centrifuge

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### Vibration sensors for monitoring power plant machines

For power plant operators, avoiding outages and providing constant power supply are daily priorities. To keep plants operational, machines must be reliable. Wilcoxon vibration monitoring sensors are used by plant maintenance teams to provide advanced warning of component wear on power plant assets. Reliability engineers depend on vibration analysis/diagnostics to establish baseline, trend and early warning/detection of machine faults, plan for machine repairs, and optimize maintenance outages.

### Typical power plant applications where vibration monitoring solutions are used include

- Blowers, compressors, cooling towers
- Fans – forced draft and induced draft
- Hydro turbines (low frequency)
- Motors, nuclear machinery, pump

Wilcoxon model	•786T	787T	793T-3	797T-1
Sensitivity	100 mV/g 500 mV/g	100 mV/g	100 mV/g	100 mV/g 500 mV/g
Sensitivity tolerance	±5%	±5%	±5%	±5%
Frequency response ± 3 dB, Hz	0.5 - 12,000	0.5 - 12,000	0.5 - 15,000	1.0 - 12,000
Resonance frequency	30 kHz	22 kHz	24 kHz	26 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	5 µg/√Hz	1 µg/√Hz
Max temperature	120°C	120°C	120°C	120°C
Temperature sensor output sensitivity	10 mV/°C	10 mV/°C	10 mV/K	10 mV/K
Bias output voltage	12 VDC	12 VDC	12 VDC	12 VDC
Grounding	case isolated	case isolated	case isolated	case isolated
Mounting	1/4-28 tapped hole	1/4-28 captive screw	1/4-28 tapped hole	1/4-28 captive screw
Output connector	3-pin MIL-C-5015	3-pin MIL-C-5015	3-pin MIL-C-5015	3-pin MIL-C-5015
Compliance	CE •[CSA/ATEX/IECEX]	CE	CE	CE

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