

An Amphenol Company

SHORT-FORM PRODUCT CATALOG

VIBRATION MONITORING SOLUTIONS







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An Amphenol Company

Wilcoxon Sensing Technologies

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Everything you need for vibration monitoring

Wilcoxon has what you need for monitoring your plant machinery. You'll find our catalog a useful resource all year long, and don't forget – you can always download our short-form catalog from our website.

Introducing new solutions

Our 2018 catalog showcases several new products, including:

- Cost-effective VLL enclosures
- New line of intelligent vibration transmitters
- Wider variety of hazardous area certified sensors
- HART-enabled vibration sensors with hazardous area options

















About Wilcoxon

All of us at Wilcoxon Sensing Technologies are focused on helping you succeed. Whether you're new to the field of vibration monitoring or have decades of experience, we're here to provide great products, expert technical guidance and excellent customer support.

Get started

Let's have a conversation. As you look through the products featured on these pages, we also invite you to contact us. Our selection of high quality, affordable products, along with expert technical help and personalized service, are key reasons why customers start with and continue to rely on Wilcoxon as their provider of choice. We want to make sure you have exactly what you need to experience the best outcomes.

Guaranteed in stock. Our most popular sensors, cables, and accessories are guaranteed to be in stock at the time of order. View the products this applies to at wilcoxon.com/products/guaranteed-in-stock.

WHY WILCOXON **Experience** Since 1960, Wilcoxon has been making breakthroughs Wilcoxon is committed to providing in vibration monitoring technology. We're proud to have the best in machinery monitoring. made innovative advances in accelerometer design and forged expansion into new markets and applications. Reliability High quality In 2017, the Wilcoxon brand became part of Amphenol Corporation, joining an impressive group of companies Best value dedicated to industrial improvement. Today, we Outstanding customer support continue to invest in research and development to bring Broad offering, one-stop shopping our customers the high-quality, reliable products you've

As an ISO 9001:2015 certified company, we are committed to setting the industry standard for quality of design, manufacture, assembly and distribution of vibration sensors, underwater acoustic sensors and related equipment.



come to expect from us.

How to shop

You don't have to shop around to find the best value. Save yourself time. Go to our website to source solutions 24/7.

- Online at buy.wilcoxon.com
- · Contact our sales team
- Our global network of representatives and distributors

Premium high performance

Our customer favorite high performance sensors have tighter sensitivity tolerance for more precise measurements.



Wilcoxon model	• 786A	• 787A 786LF		• 780A
Description	Premium top-exit accelerometer	Premium side-exit accelerometer	Low frequency accelerometer	Compact accelerometer
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 5%	± 5%	± 5%	± 5%
Frequency response ± 3 dB, Hz	0.5 - 14,000	0.5 - 10,000	0.1 - 13,000	0.5 - 14,000
Resonance frequency	30 kHz	22 kHz	30 kHz	30 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	3 µg/√Hz	5 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–25° C: –10% +120° C: +10%	-25° C: -10% +120° C: +10%	–25° C: –10% +120° C: +15%	–25° C: –10% +120° C: +10%
Bias output voltage	12 VDC	12 VDC	13 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 tapped hole
Output connector	2-pin MIL-C-5015 or 4-pin M12	2-pin MIL-C-5015 or 4-pin M12	2-pin MIL-C-5015	2-pin MIL-C-5015
	LIFETIME WARRANTY			LIFETIME WARRANTY



ADVANTAGE

Wilcoxon's premium high performance sensors have an industry-leading MTBF of up to 25 years. You'll retire before they do.

 Hazardous area options available on models 786A, 787A and 780A (see page 29 for full certification requirements)

General purpose

General purpose accelerometers can be used across a broad frequency range to monitor a wide variety of rotating industrial machinery.



Wilcoxon model	786B-10	787B	780B	785A
Description	Standard top-exit accelerometer	Side-exit, low profile accelerometer	Compact accelerometer	Low profile industrial accelerometer
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 10%	± 10%	± 10%	± 10%
Frequency response ± 3 dB, Hz	0.5 - 14,000	0.7 - 10,000	0.5 - 14,000	1 - 12,000
Resonance frequency	30 kHz	22 kHz	30 kHz	30 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	5 µg/√Hz	6 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–25° C: –10% +120° C: +10%	–25° C: –10% +120° C: +10%	–25° C: –10% +120° C: +10%	–50° C: –10% +125° C: +7%
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	2-pin MIL-C-5015 or 4-pin M12 2-pin MIL-C-5015 or 4-pin M12		2-pin MIL-C-5015	2-pin MIL-C-5015
	LIFETIME	LIFETIME WARRANTY	LIFETIME	LIFETIME WARRANTY

Types of rotating machinery most commonly monitored include:



ONLINE

We offer even more general purpose sensors online. See our wide selection. Most are in stock, ready to ship. Visit buy.wilcoxon.com.

- Motors •

 - Fans Blowers

•

- Pumps • Compressors
- Gearboxes

Extended temperature range

Wilcoxon's new HT series, the next generation of our signature FireFet sensors, provides superior long-lasting performance in 150° C environments.



Wilcoxon model	HT780A	HT786A	HT787A	376/CC701HT
Description	High temperature, compact accelerometer	High temperature accelerometer	High temperature, side-exit accelerometer	Accelerometer/charge amplifier system
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 5%	± 5%	± 5%	± 10%
Frequency response ± 3 dB, Hz	0.5 - 14,000	0.5 - 14,000	0.7 - 10,000	1 - 15,000
Resonance frequency	30 kHz	30 kHz	22 kHz	30 kHz
Electrical noise 100 Hz	at 25° C: 5 µg/√Hz at 150° C: 7 µg/√Hz	at 25° C: 5 µg/√Hz at 150° C: 7 µg/√Hz	at 25° C: 5 µg/√Hz at 150° C: 7 µg/√Hz	Broadband: 0.001 g peak
Max temperature	150° C	150° C	150° C	376: 260° C CC701HT: 100° C
Temperature response	–25° C: –10% +150° C: +15%	–25° C: –10% +150° C: +15%	–25° C: –10% +150° C: +15%	–50° C: –10% +260° C: +20%
Bias output voltage	at 25° C: 13 VDC at 150° C: 12 VDC	at 25° C: 13 VDC at 150° C: 12 VDC	at 25° C: 13 VDC at 150° C: 12 VDC	12 VDC
Grounding	case isolated	case isolated	case isolated	case isolated
Mounting	1/4-28 tapped hole	1/4-28 tapped hole	1/4-28 captive screw	1/4-28 tapped hole
Output connector	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015	BNC









Temperature range is the temperature span, given by the temperature extremes, over which the sensor will perform without failure.

LIFETIME

WARRANTY



376/CC701HT system

Integral cable

Wilcoxon's IP68 rated integral cable sensors can be used with confidence in submerged applications of 30 feet or more.



Wilcoxon model	• 786F	787F	712F	780FM-2-J88C
Description	General purpose, integral cable accelerometer	Low profile, side-exit integral cable accelerometer	High frequency, side-exit integral cable accelerometer	Compact sensor with coiled integral cable and magnetic mount
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 5%	± 5%	± 10%	± 15%
Frequency response ± 3 dB, Hz	0.5 - 13,000	0.7 - 10,000	3.0 - 25,000	0.4 - 12,000
Resonance frequency	30 kHz	22 kHz	22 kHz >45 kHz	
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz 10 µg/√Hz		4 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–50° C: –5% +120° C: +5%	-50° C: -5% -50° C: -10% +120° C: +5% +120° C: +10%		–25° C: –10% +120° C: +10%
Bias output voltage	12 VDC	12 VDC 12 VDC		12 VDC
Grounding	case isolated	case isolated	ase isolated case isolated	
Mounting	1/4-28 tapped hole	1/4-28 captive screw or M4 captive screw		1/4-28 tapped hole, 2-pole magnet
Output connector	integral cable, blunt cut	integral cable, blunt cut	integral cable, blunt cut	integral cable, BNC





DID YOU KNOW



Wilcoxon developed the first underwater accelerometer in 1965 and introduced an ultra low-noise detection model in 1976.

 Hazardous area options available on model 786F (see page 29 for full certification requirements)

High sensitivity / low frequency

With an extended low-end frequency response, Wilcoxon's high sensitivity / low frequency sensors detect both high- and low-speed vibrations, making them ideal for critical slow-turning machinery.



Wilcoxon model	• 786-500	• 787-500	786LF-500	799LF
Description	Low frequency accelerometer	Side-exit, low frequency accelerometer	High sensitivity, low frequency accelerometer	Low frequency, low noise, filtered accelerometer
Sensitivity	500 mV/g	500 mV/g	500 mV/g	500 mV/g
Sensitivity tolerance	± 5%	± 5%	± 5%	± 5%
Frequency response ± 3 dB, Hz	0.2 - 14,000	0.2 - 10,000	0.1 - 13,000	0.1 - 2,500
Resonance frequency	30 kHz	22 kHz	30 kHz	18 kHz
Electrical noise 100 Hz	1.5 µg/√Hz	1.5 µg/√Hz	2 µg/√Hz	1 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–25° C: –10% +120° C: +10%	–25° C: –10% +120° C: +10%	–25° C: –10% +120° C: +15%	–50° C: –7% +120° C: +5%
Bias output voltage	12 VDC	12 VDC	13 VDC	8 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 tapped hole
Output connector	2-pin MIL-C-5015 or 4-pin M12	15 2-pin MIL-C-5015 or 4-pin M12 2-pin MIL-C-5015		2-pin MIL-C-5015
	LIFETIME	LIFETIME	LIFETIME	LIFETIME

LIFETIM WARRANTY

LIFETIME WARRANTY

LIFETIM WARRANTY

ONLINE

WARRANTY

Built for excellent performance. Shop for even more quality sensors online. Choose what you need at buy.wilcoxon.com.

Note: Model 786LF-250 also available with 250 mV/g sensitivity.

Hazardous area options available on models 786-500 and 787-500 (see page 29 for full certification requirements)

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High g sensors

Accelerometers with a 500 g or greater range for high-impact applications, ideal where there are high-speed components with higher harmonics or blade pass frequencies greater than 60,000 CPM.





Wilcoxon model	786A-I	997	• 793-10	732A
Description		Accelerometers with	high amplitude range	
Description	500 g range	600 g range	500 g range	500 g range
Sensitivity	10 mV/g	10 mV/g	10 mV/g	10 mV/g
Sensitivity tolerance	± 5%	± 10%	± 5%	± 5%
Frequency response ± 3 dB, Hz	0.5 - 14,000	0.5 - 29,000	1 - 15,000	0.5 - 25,000
Resonance frequency	30 kHz	>45 kHz	25 kHz	60 kHz
Electrical noise 100 Hz	23 µg/√Hz	9 µg/√Hz	40 µg/√Hz	3 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	−25° C: −10% +120° C: +10%	-50° C: +1% -25° C: -1% +120° C: +8%	–50° C: –10% +120° C: +5%	–50° C: –10% +120° C: +5%
Bias output voltage	12 VDC	12 VDC	12 VDC	10 VDC
Grounding	case isolated	case isolated	case isolated	case grounded
Mounting	1/4-28 tapped hole	8-32 captive screw or M4 captive screw	1/4-28 tapped hole	10-32 tapped hole
Output connector	2-pin MIL-C-5015	integral cable, blunt cut	2-pin MIL-C-5015	10-32 coaxial





DID YOU KNOW



Hazardous area options available on model 793-10 (see page 29 for full certification requirements)

The gravitational constant g is the standard unit of acceleration equal to earth's gravity at mean sea level – one "g" equals 32.17 ft/sec² or 9.81 m/s².

Seismic

Our seismic sensors are recognized as setting the standard. They are used in a variety of applications ranging from earthquake detection systems and structural monitoring to construction zone observation and isolation tables.



Wilcoxon model	731A/P31	735T	735T 731-207	
Description	Ultra quiet, ultra low frequency accelerometer/power amplifier system	Ultra quiet, ultra low frequency accelerometer with temperature sensor	Compact, ultra low frequency accelerometer	High sensitivity, filtered accelerometer
Sensitivity	10 V/g	10 V/g	10 V/g	1 V/g
Sensitivity tolerance	± 10%	± 10%	± 10%	± 5%
Frequency response ± 3 dB, Hz	0.05 - 450	0.01 - 350	0.2 - 1,300	0.2 - 2,500
Resonance frequency	750 Hz	700 Hz	2.4 kHz	18 kHz
Electrical noise 100 Hz	0.004 µg/√Hz	3.5 ng/√Hz	0.03 µg/√Hz	1 µg/√Hz
Max temperature	65° C	65° C	70° C	80° C
Temperature response	–10° C: –12% +65° C: +5%	–10° C: –20% +65° C: +50%	0° C: –14% +70° C: +14%	–50° C: –7% +80° C: +5%
Bias output voltage	9 VDC	8 VDC	10 VDC	8 VDC
Grounding	case isolated	case isolated	case grounded	case isolated
Mounting	3/8-16 tapped hole	M6x1 tapped hole	10-32 tapped hole	1/4-28 tapped hole
Output connector	2-pin MIL-C-5015	4-pin M12	10-32 coaxial	2-pin MIL-C-5015





Seismic accelerometers are high sensitivity sensors for measuring low level, low frequency motion of buildings, bridges and other structures.

Dual output and triaxial sensors

Dual output (vibration and temperature) and triaxial sensors provide more data all in one, simplifying your monitoring set-up.



Description	Top-exit / Side-exit accelerometers with temperature sensor	Accelerometer with internal temperature sensor	Side-exit accelerometer with temperature sensor	Hermetic triaxial accelerometer
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 5%	± 5%	± 5%	± 10%
Frequency response ± 3 dB, Hz	0.5 - 12,000	0.5 - 15,000	1 - 12,000	2 -10,000 (Z axis) 2 - 7,000 (X, Y axes)
Resonance frequency	30 kHz / 22 kHz	24 kHz	26 kHz	>35 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	5 µg/√Hz	2 µg/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–25° C: –10% +120° C: +10%	–50° C: –10% +120° C: +5%	–50° C: –5% +120° C: +5%	–50° C: –12% +120° C: +12%
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 tapped hole 1/4-28 captive screw	
Output connector	3-pin MIL-C-5015	3-pin MIL-C-5015	3-pin MIL-C-5015	4-pin M12 (integral cable option available)





LIFETIME





 Hazardous area options available on models 786T and 993B-7-M12 (see page 29 for full certification requirements) Double-duty. Extra functionality. Defined by Wilcoxon quality and reliability to do more.

Specialty sensors

Wilcoxon offers sensors for a variety of specialized applications with unique requirements. It's all in the details. Built for durability, superior quality and great value.







	111/400/000				
Wilcoxon model	series	HV100LF/200LF	732-1D	746	• LPA100T
Description	High EMI resistance accelerometers	Low frequency accelerometers with high EMI resistance	High frequency, compact accelerometer with 500 g range	Underwater accelerometer with 650 psi pressure rating	Low power, low voltage accelerometer
Sensitivity	100 mV/g	100 mV/g (see note)	10 mV/g	100 mV/g	50 mV/g
Sensitivity tolerance	± 5%	± 5%	± 5%	± 5%	± 5%
Frequency response ± 3 dB, Hz	0.5 - 12,000	0.1 - 11,000	0.4 - 22,000	1 - 15,000	0.3 - 15,000
Resonance frequency	25 kHz	28 kHz	28 kHz	30 kHz	30 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	4 µg/√Hz	0.8 µg/√Hz	16 µg/√Hz
Max temperature	120° C	120° C	120° C	80° C	120° C
Temperature response	–40° C: –10% +120° C: +10%	–25° C: –10% +120° C: +15%	–50° C: –10% +120° C: +5%	–50° C: –10% +80° C: +4%	–25° C: –10% +120° C: +10%
Bias output voltage	12 VDC	13 VDC	10 VDC	10 VDC	1.5 VDC ± 5%
Grounding	case isolated	case isolated	base isolated	isolated	case isolated
Mounting	1/4-28, M8 or M6 integral stud	1/4-28, M8 or M6 integral stud	10-32 tapped hole	10-32 tapped hole	1/4-28 tapped hole
Output connector	HV100: 4-pin M12 HV200: 2-pin MIL-C-5015	HV100LF: 4-pin M12 HV200LF: 2-pin MIL-C-5015	BNC	integral cable, blunt cut	4-pin M12



HV series sensors provide over 6,000 volts of isolation between the connector and base.
They offer improved EMI resistance in areas with high EM interference, such as wind turbines.
746 has a 650 psi pressure rating, allowing use in demanding underwater applications.
732-1D is ideal for high-impact or high-speed applications where space is minimal.
LPA100T operates with <300 µWatts, providing 100x the energy savings of a traditional accelerometer. It is ideal for wireless, battery-operated or energy harvesting applications.

Note: HV100LF/200LF also available with 500 mV/g sensitivity as models HV100LF-500 and HV200LF-500.

 Hazardous area options available on model LPA100T (see page 29 for full certification requirements)

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Piezovelocity sensors

Piezoelectric velocity sensors offer the convenience and performance of a direct velocity output without the drawbacks of other styles of velocity sensors.



Wilcoxon model	🛠 • 793V	793V-5	• 797V	893V
Description	Piezoelectric velocity transducers		Low profile piezo- velocity transducer	Industrial velocity sensor
Sensitivity	100 mV/in/sec	500 mV/in/sec	100 mV/in/sec	100 mV/in/sec
Sensitivity tolerance	± 10% (see note)	± 10%	± 10%	± 5%
Frequency response ± 3 dB, Hz	2.5 - 7,000	2.5 - 7,000 5.0 - 7,000		4.5 - 5,000
Resonance frequency	15 kHz	15 kHz	18 kHz	15 kHz
Electrical noise 100 Hz	1.0 µin/sec/√Hz	0.4 µin/sec/√Hz	0.8 µin/sec/√Hz	1.5 µin/sec/√Hz
Max temperature	120° C	120° C	120° C	120° C
Temperature response	–50° C: –5% +80° C: +3% +120° C: –5%	–50° C: –5% +80° C: +3% +120° C: –5%	−50° C: −15% +120° C: +10%	–50° to +120° C: ± 5%
Bias output voltage	10 VDC	10 VDC	10 VDC	12 VDC
Grounding	case isolated	case isolated	case isolated	case isolated
Mounting	1/4-28 tapped hole	1/4-28 tapped hole	1/4-28 captive screw	1/4-28 tapped hole
Output connector	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015

LIFETIME

LIFETIME WARRANTY

FAST FACT

LIFETIME WARRANTY

Note: Model 793V is available with ± 5% sensitivity tolerance as model 793V100-5.

- Hazardous area options available on models 793V and 797V
- Radiation resistant option available on model 793V (see page 29 for full certification requirements)

Piezoelectric velocity sensors employ traditional accelerometer structure with internal signal conditioning to transduce mechanical motion into an electrical signal proportional to velocity.

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Sensors

Traditional

These legacy products provide a way to retain your long-standing test procedures without the need for rewrites or specification changes.







Wilcoxon model	🛠 • 793	* • 797	793-6	797-6
Description	PiezoFET® ac	celerometers	High temperature Fir	eFet accelerometers
Sensitivity	100 mV/g	100 mV/g	100 mV/g	100 mV/g
Sensitivity tolerance	± 5%	± 5%	± 10%	± 10%
Frequency response ± 3 dB, Hz	0.5 - 15,000	1 - 12,000	1 - 12,000	1 - 11,000
Resonance frequency	25 kHz	26 kHz	25 kHz	18.5 kHz
Electrical noise 100 Hz	5 µg/√Hz	5 µg/√Hz	at 25° C: 3 µg/√Hz at 150° C: 10 µg/√Hz	at 25° C: 3 µg/√Hz at 150° C: 10 µg/√Hz
Max temperature	120° C	120° C	150° C	150° C
Temperature response	–50° C: –15% +120° C: +20%	–50° C: –15% +120° C: +15%	−50° C: −5% 0° C: +2% +150° C: −5%	–50° C: −5% 0° C: +2% +150° C: −5%
Bias output voltage	12 VDC	12 VDC	at 25° C: 12 VDC at 150° C: 11 VDC	at 25° C: 12 VDC at 150° C: 11 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	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015
Output connector	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015	2-pin MIL-C-5015



LIFETIME WARRANTY LIFETIME WARRANTY LIFETIME WARRANTY

W,

GET STARTED

Built for long use, performance and reliability. Get started, shop now. See more options online and order anytime!

- Hazardous area options available on models 793 and 797
- Radiation resistant options available on models 793 and 797

(see page 29 for full certification requirements)

Cable assemblies

Selecting the right cable assembly is highly dependent on the environment in which the sensor will operate. Wilcoxon offers a wide variety of rugged cables and connectors to ensure data reliability.

How to order

APPLICATION SUPPORT

Not sure what your requirements are? We can help. Email info@wilcoxon.com or call (301) 330-8811 for technical assistance.



CUSTOM CABLE ASSEMBLY CHECKLIST

- a Find the correct mating connector*
- b Choose termination connector*
- c Select compatible cable type
- **xx** Cable length (ft or m), including connectors

C b

Optional:

d

- armor (A)
- stainless steel braid (S)
- safety connector (SC)

* See pages 16-17 for details on connector specifications.



Wilcoxon offers custom cable assemblies to meet your individual needs. Visit buy.wilcoxon.com/cables to learn more.

	Cable options				
C	Cable model	Compatible connectors			
ial	J1	1, 1A, 2			
Dax	J3	1, 1A, 2, 6			
ŏ	J5A	2, 2F, 6, 6Q/6QI, 6SL/6SLI, 6W			
	J9T2	6QN/6QNI			
, twisted pair	J9T2A	2, 20, 6, 6D2, 6H/6HI, 6HD2 6Q/6QI, 6SL/SLI, 6W, 6WR			
	J9T2AS	6SL/6SLI			
	J9T2S	9W, 6QN, 6QNI, 6SL/SLI			
	J88	2, M12, 20, 6, 6Q/6QI, 6WR			
ded	J88C	2, M12, 20, 6, 6Q/6QI, 6WR			
Shield	J10	2, M12, 20, 6, 6D2, 6H/6HI, 6HD2, 6Q/6QI, 6SL/6SLI, 6W, 6WR			
	J9F	6QA/6QAI, 6W, 6WR			
	J9T3	6GSL/6GSLI, 6SL/6SLI			
tor	J9T3A	2, 6GD2, 6GQ/6GQI, 6GSL/6GSLI, 6SL/6SLI			
ed, duc	J9T4	2, 9W, 6GSL/6GSLI, 6SL/6SLI			
con	J9T4A	9W			
ti-c	J95	19SL/19SLI			
nm	J84	2, M12, 20, 6, 6GQ/6GQI, 9W			
	J84C	2, M12, 20, 6, 6GQ/6GQI, 9W			

Cables & connectors – considerations

CABLE LENGTH

An accelerometer cable can be run 100 feet without losing signal content. The maximum length is a function of supply current and the highest frequency of interest. The chart to the right helps determine maximum cable lengths.





Note: Graph values assume cable capacities of 30 pF/ft and an available swing of 5 V p-p. The current available is represented by I.



Protection against solids Protection against liquids

- No protection 0 Objects >50 mm 1
- Objects >12.5 mm 2 2
- Objects >2.5 mm 3
 - $\frac{1}{2}$
- Objects >1.0 mm 4
 - Dust-protected 5 Dust-tight 6
 - **6 6** Pressure jets

0

1

3

4

5

7 Immersion to 1 meter

No protection

Sprayed water

Splashed water

Water jets

Vertically dripping water

Angled dripping water

8 | Indefinite immersion



IP ratings – protection against liquids

Connector tool kits

Wilcoxon provides High Temperature Crimp (HTC) and High Temperature Solder (HTS) toolkits for field assembly of the 6Q series of connectors. The HTC kit is used to make a crimp connection to a socket, while the HTS kit is for applications where the socket will be soldered to the wire.



Our connector toolkits come with everything you need to prepare connectors and cables in the field, including

- high temperature epoxy
- epoxy applicator gun, plunger and nozzles
- plastic and metal socket insertion tools
- crimp tool

Connectors



Wilcoxon model	Connector	Description	Max temperature	Field assembly	IP rating
6	2 socket	Amphenol, metallic	125° C	Yes	50
6D2	2 socket		125° C	No	67
6GD2	3 socket	- Class I, Div 2 suitable	125° C	No	67
6GQ/GQI*			200° C	Yes	68
6GSL/GSLI*	3 socket	High temp Viton® B boot	125° C	Yes	67
6H/6HI*		potted backshell, HART-compatible	125° C	No	67
6HD2	2 socket	HART-compatible, Class I, Div 2 suitable	125° C	No	67
6Q/6QI*		High temp Viton® B boot	200° C	Yes	68
6QN/QNI*		Radiation resistant, Neoprene boot	105° C	Yes	68
6SL/SLI*		Viton [®] B boot	125° C	Yes	67
6W		Isolated shield, molded	125° C	No	67
1	Microdot	straight plug	200° C	No	50
1A	10-32 coaxial	right angle	200° C	No	50
2/2F/2T	BNC	male/female/twin axial	165° C	No	50
M12P		4 pin	85° C	No	67
M12S	M12	5 socket	85° C	No	67
45		5 pin	85° C	No	67
9W	4 socket	threaded, waterproof Bendix	125° C	No	50

* I indicates electrical isolation between shield and transducer housing.



ONLINE

Don't see what you're looking for? Shop our entire line of cables and connectors at buy.wilcoxon.com.

buy.wilcoxon.com

Cables

	V	V		V		V
Model	J9T2A	J9T2AS	J9T2S	J9T2	J9T3	J9T3A
		Twisted, shielded pair				
Description	Yellow Teflon® jacket	Yellow Teflon® jacket with stain- less steel braid	White Tefzel® jacket with stain- less steel braid	White Tefzel® jacket	White Tefzel® jacket	Yellow Teflon® jacket
Max temperature	200° C	200° C	150° C	150° C	150°C	200° C
Diameter (in.)	0.190	0.210	0.210	0.190	0.190	0.190
Capacitance (pF/ft)	27	27	27	27	27	27

1

1

.



Model	J9T4	J9T4A	J84	J84C	J88	J88C
Description		Four conduc	tor, shielded		Twisted, sł	nielded pair
	Red Teflon® jacket	Yellow Teflon® jacket	Kevlar® rein- forced, black polyurethane jacket	Coiled, Kevlar® reinforced, poly- urethane jacket	Black polyurethane jacket	Black poly- urethane jacket, coiled with 6" straight ends
Max temperature	200° C	200° C	80° C	80° C	80° C	80° C
Diameter (in.)	0.190	0.190	0.210	0.210	0.175	0.175
Capacitance (pF/ft)	30	27	44	44	60	60



Mounting accessories



Wilcoxon model		Description and available models					
		Two-pole magnetic m	nounting	g bases			
MD series	HODEL MOOR	MD020 0.75" diameter, 20 lb force, 1/4-28 tapped hole, non-isolated	MD03 1.00" d 35 lb fc 1/4-28 non-iso	5 liameter, prce, tapped hole, olated	MD055 1.25" diameter, 55 lb force, 1/4-28 tapped l non-isolated	nole,	MD130 2.00" diameter, 130 lb force, 1/4-28 tapped hole, non-isolated
		Flat magnetic mount	ing base	es	1		
MF series	ALL MF040	MF015MF0400.75" diameter,1.00" diar15 lb force,40 lb forc10-32 tapped hole,1/4-28 tanon-isolatednon-isola) liameter, orce, tapped hole, olated	MF075 1.25" diameter, 75 lb force, 1/4-28 tapped l non-isolated	nole,	MF120 1.50" diameter, 120 lb force, 1/4-28 tapped hole, non-isolated
	-	Two-pole magnetic m	nounting	g bases for tria	ixial sensors		
MT series	MODEL MT075	MT075 MT 1.50" diameter, 1.5 75 lb force, 75 1/4-28 tapped hole, 10 non-isolated no			MT075A 1.50" diameter, 75 lb force, 10-32 tapped h non-isolated	ole,	
SF6		SF6 mounting studSF6M mound1/4-28 UNF both ends1/4-28 UNFStainless steelStainless steel		SF6M mount 1/4-28 UNF to Stainless stee	ng studSF6M-1 mounting studM8 x 1.251/4-28 UNF to M6 x 1.04IStainless steel		A-1 mounting stud 28 UNF to M6 x 1.00 less steel
SF8	,H	SF8 cementing pad 1/4-28 integral stud 1.00" diameter Stainless steel			SF8-2 cementing pad Includes tapped hole and key notch for consistent axis orientation Use with 993A triaxial sensors		1 and key notch for ation sensors
SF11	Contraction	Magnet landing pad 1.00" diameter provide	es surfac	ce for sensor a	ttachment using a	a magr	netic mounting base
SF21	Response and the	SF21 isolator mounti 1.00" hex across flats Isolation protection up	ng base o to 1,50	0 volts	SF22 1.000" diameter, 1/4-28 to M8 integral stud SF23 1.125" diameter, 1/4-28 to 1/4-28 integral stud		
	-1	1/4-28 to 1/4-28 integral stud		SF24 1.125" diameter, 1/4-28 to M8 integral stud			
TC1B		Triaxial mounting cube 1.00" on each side Three 1/4-28 tapped holes fit a variety of threaded adapter stud sizes, including M6, M8, 3/8 and 10-32 Additional sizes available for different sized sensors					
VERSIL406	~	Mounting epoxy Enough glue for up to 5 sensors/mounting pads Package contains both epoxy components separated by a pull tab Max temperature: 150° C					
ST101		Spot face tool 1.25" diameter, pilot d	rill for 1/	4-28 hole, drill	depth adjustable		

Mounting considerations

Evaluation of the mounting location of each sensor must be based on the specific machine and vibration source to be monitored. The mounting configuration depends primarily upon dynamic measurement requirements, such as frequency and amplitude range. The closer the contact between sensor and machine, the better the ability to couple and measure high frequency signals.

Permanent mounting: threaded stud, cementing pad

Threaded stud mounting allows the widest dynamic measurement range and is recommended for permanent monitoring systems, high frequency testing and harsh environments.

Cementing pads approach the high frequency capabilities of stud mounts when used properly, without the need for drilling into the structure. Adhesive selection is critical for long-term reliability.



Use a silicon grease with permanently mounted sensors to increase mounting stiffness and enhance frequency response.

Adhesives

If the machine cannot be drilled, adhesive mounting can be used, although this method will usually damage the accelerometer if removal is required. An adhesive mounting pad is the best alternative to stud mounting.





Magnets and probe tips

Magnetic mounts and probe tips can be used for walkaround monitoring programs. The frequency range of using either mounting method is dramatically reduced when compared to stud or adhesive mounts.

Magnetic mounts are available with flat surfaces for flat locations or two-pole configurations for curved surfaces.

Probe tips should be made of steel and be no longer than six inches.



The PT2 probe tip can be used to take readings in hard-to-reach areas or on surfaces that aren't conducive to mounting, and connects to any vibration meter via 1/4-28 integral stud.



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Enclosures

VibraLINK[®] (VL) series

Enclosures serve as a central data collection point and streamline walkaround routes. Wilcoxon's VL series offers a variety of customizable options to meet the requirements of your application.

VLS and VLD enclosures

VLS and VLD switchboxes allow the user to choose between single or dual output and feature an industry-first data ready LED that indicates BOV levels have stabilized. Decrease active collection time, eliminate ski-slope data and increase efficiency in data collection.

- Base or expandable enclosure size for up to 48 channels
- Compatible with single or dual output IEPE sensors
- Online connectivity for continuous monitoring
- Organized terminals for clean cable runs



Base model: 6-12 channels

VLS / VLD configuration options						
v	S:	D:				
^	single output	dual output				
# of channels	6, 8, 12 12, 24, 36, 48					
Y (inches)	B = 10 x 8 x 6	E = 20 x 16 x 8				
а	F: fiberglass					
	S: stainless steel					
h	C: conduit					
D	G : cable grip					
	N: no online cor	nnectivity				
	OC: conduits					
CC	OG : cable grips					
OP : removable plugs						
d	S: screw					
u	Q: quickconnec	t				



READY **Data ready light** WAIT unbeatable accuracy, reliable readings ERROR

- Customizable cable access holes
- 55% more interior space
- NEMA 4/4X and IP66 ratings
- Increased noise immunity



Expandable model: 12-48 channels

HOW TO ORDER VLS and VLD # Х Υ d Choose single or dual output Material а Select number of channels Cable interface b Υ Choose size CC Online connectivity d Terminal type

Enclosures

VLL enclosures

Wilcoxon's new VibraLINK Lite (VLL) enclosures are a costeffective solution where simplicity of design fulfills your requirements. With many of the same configurable features of VLS and VLD models, VLL enclosures can be tailored to a variety of industrial applications.





ONLINE

Go to buy.wilcoxon.com to see all VL configuration options, or contact us for technical assistance.

VLT enclosures

VLT models offer simpler configuration and are designed for use with triaxial sensors.

- 6 channels
- Stainless steel or fiberglass housing
- Cable grips or M12 connectors (for compatibility with data collectors)
- NEMA 4/4X rated for harsh industrial environments

Cable termination boxes

Low-cost, compact CB series enclosures provide compatibility with data collectors and are rated for indoor applications. Triaxial compatible model also available.

CB2	2 channel BNC, termination junction box, cable grips
CBT2-M12-G	2 channel M12, triaxial termination junction box, cable grips
CB4	4 channel BNC, termination junction box, cable grips





Convenient, customizable, cost-effective.

NEW PRODUCT

Instrumentation

ReferenceMate® portable reference source



ReferenceMate REF2510R

Quickly and easily check operation and set-up of accelerometers and velocity sensors in the field. Check acceleration and velocity measurements with no imperial-metric conversions. Frequency and measurement type can be selected with the push of a button.

Features

- User selectable operating frequencies:
 61.4 Hz, 100 Hz, 159.2 Hz
- Max load: 8.8 oz (250 grams)
- Switch-selectable RMS or peak
- Operating temperature range: -15 to +130° F (-10 to +55° C)
- 4x standard AA batteries
- Up to 40 hours of battery life
- DC power input
- Protective thermoplastic boot
- Threaded base for magnet



Triaxial adapter **TAA01**

Accessories

·2

Metric mounting kit

REF001



Metric mounting kit

REF002

Portable power supplies

Wilcoxon model	P702B	P703B	P704B
Channels	1	3	1
Power	(3) 9 VDC	(3) 9 VDC	(3) 9 VDC
Filter	Selectable	-	-
Amplifier gains	1, 10, or 100	-	-
Output	Acceleration or velocity	Acceleration	Acceleration

Dynamic sensors requiring IEPE power utilize industry-standard CCD power supplies. The power supply contains a voltage source with CCD sufficient to support sensor installations using several hundred feet of cable. Options include battery- or AC-operated, selectable integration, gain or triaxial configurations.



P702B



P703B



P704B

info@wilcoxon.com

<u>nstrumentation</u>

Instrumentation

MachineryMate® handheld vibration meters

Wilcoxon's easy-to-use meters record, analyze and display bearing conditions and vibration values color-coded to ISO 10816-3 alarm levels, enabling quick and reliable machinery health monitoring. Built-in filter bands provide a clear picture of machine problems, including unbalance, misalignment and looseness.

MachineryMate kits			A		
MAC800	MAC810	MAC820	Accessories		
Х	Х	X	MAC800 meter and DataMate software		
Х	Х	X	USB docking cradle		
Х	Х	Х	Protective boot		
Х	Х	Х	Carrying case		
	Х	Х	Strobelight attachment		
	Х	Х	DataMate PRO software		
		Х	Bluetooth headphones		
		Х	Headphones case		



MachineryMate MAC800

W,

NEW TO VIBRATION?

Economical entry into vibration data collection. View more at buy.wilcoxon.com.



DataMate® software

DataMate is the powerful vibration and analysis software tool designed for use with the MAC800 handheld vibration meter.

DataMate PRO works across computer networks to allow access to remote databases and readings that are stored on other computers. This advanced feature enables users to monitor machinery at more than one site.

Complete process solutions

Vibration monitoring is essential to predictive maintenance, providing 24/7 trend data for fault detection. It allows you to monitor machinery more effectively. Many process control systems already accept 4-20 mA inputs, making it easy to integrate vibration data into condition-based monitoring programs.



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4-20 mA sensors

 Hazardous area options available on PC420 and PC420-EX models (see page 29 for full certification requirements)







Wilcoxon model	• PC420	PCC421	PC420DPP	• PC420-EX
Description	Top-exit loop powered sensor	Side-exit loop powered sensor	Loop powered displacement sensor	Explosion-proof loop powered sensor
Loop output options	RMS, peak, true peak*	RMS, peak	RMS	RMS, peak, true peak
Acceleration scaling, g	5, 10, 20, 50	5, 10, 20	Displacement only	5, 10, 20
Velocity scaling, ips	0.5, 1.0, 2.0, 3.0, 5.0	0.5, 1.0, 2.0, 3.0, 5.0	40 mils	0.5, 1.0, 2.0, 3.0, 5.0
Frequency range	Accel: 1.0 Hz - 2.0 kHz Vel: 3.5 Hz - 2.0 kHz	Accel: 1.0 Hz - 2.0 kHz Vel: 3.5 Hz - 2.0 kHz	4.0 Hz - 2.0 kHz	Accel: 4.0 Hz - 2.0 kHz Vel: 3.5 Hz - 2.0 kHz
Max temperature	105° C	105° C	85° C	85° C
Grounding	case isolated	case isolated	case isolated	case isolated
Mounting	1/4-28 tapped hole	1/4-28 captive screw or M6 captive screw	1/4-28 tapped hole	3/8-24 tapped hole
Output connector	2 pin MIL-C-5015	2 pin MIL-C-5015 or 4 pin M12	2 pin MIL-C-5015	18 AWG flying leads

* 50 g scaling not available on true peak models; max temperature on true peak models is 85° C.



NEW, industry exclusive

Digital sensor with HART protocol



PCH420V-M12

Features

- Field-configurable
 parameters
- 3 programmable filter bands
- Allows for multi-drop installation
- Greater control over fault monitoring



Rugged 6H/6HI and 6HD2 connectors are designed for use with PCH420V sensors.

• PCH420V					
Models PCH420V-R6, PCH420V-M1 PCH420V-R6-HZ, PCH420V-M1					
Loop output options		RMS, peak, true peak			
User configur	able	Yes			
Velocity scaling, ips		0.5 - 5.0, user configurable			
Frequency range		Vel: 3.0 Hz - 1.95 kHz			
Programmable	e filter bands	3			
Max temperat	ure	105° C			
Grounding		case isolated			
Mounting		1/4-28 tapped hole			
Output connector		2-pin MIL-C-5015 or 4-pin M12			

Process solutions

 Hazardous area options available (see page 29 for full certification requirements)

Intelligent transmitters

Wilcoxon's intelligent vibration transmitters measure and process dynamic vibration signals. iT modules are a powerful means to connect standard vibration sensors to process control systems.

PRODUCT SPOTLIGHT

Get more information on our intelligent transmitters at wilcoxon.com/vibration-transmitters-it-series.



iT300

NEW, industry exclusive

The next generation transmitter for your vibration monitoring needs.

- Easily configurable in the field via internal web server no stand-alone software needed
- Two processing bands for optimized frequency ranges, more control over fault monitoring and greater flexibility
- Dual mappable 4-20 mA outputs provide access to more information from single sensor input





NEW, industry exclusive

All the features of the iT300, plus:

- Modbus/RS-485 enabled, allowing multiple communication methods to plant infrastructure
- Configurable high/low alarms for better control over fault monitoring
- Low and high alarms are mappable to a single NC/NO relay

iT301

Intelligent transmitters and alarm modules



iT150

NEW PRODUCT

New cost-effective transmitter with easy plug-and-play capability.

- Multiple pre-configured units to choose from, tailored to the most common applications
- Compatible with dual output sensors to measure both vibration and temperature
- True peak detection band measures acceleration signals out to 25 kHz

iT series comparison

Feature	iT150	iT300	iT301
DIN-rail mountable	Х	Х	Х
Accepts accelerometers, velocity sensors	Х	X	Х
20V peak-peak sensor input	Х	Х	Х
Primary 4-20 mA output	Х	X	Х
0.2 Hz - 20 kHz bandwidth	Х	X	Х
24-bit A/D converter	Х	Х	Х
Accepts dual-output sensors	Х	X	Х
Secondary 4-20 mA output	Х	X	Х
Field configurable full-scale range		Х	Х
Field configurable vibration bands (2X)		Х	Х
Modbus TCP/RS-485			Х
Low alarm limits (5X)			Х
High alarm limits (5X)			Х
Relay/alarm source mapping			Х

TECH TIP

iT150 models must be factory configured. Go to **buy.wilcoxon.com** or call for more information.



iT401 alarm module

Compares 4-20 mA input against configurable alarm limits to provide local notification of potential problems.

- Accepts input from iT transmitter or 4-20 mA sensor
- Three field-programmable relays: high or low setpoints with time delay
- Front panel LED readout and push button softkeys
- Programmable time and hysteresis delay prevent false alarms
- Back panel TBUS connection eliminates external wiring between units



Complete process solutions

Wilcoxon offers everything you need for your installation.



iT401 alarms in an IT051 DIN box

iT DIN-rail enclosures

Transmitter enclosures – IT series						
Model	Description					
IT051	DIN-box, single rail, holds approximately 7 IT transmitters and power supply					
IT051C	DIN-box, single-rail, clear cover, same size as IT051					
IT052	DIN-box, dual-rail, holds approximately 25 IT transmitters and power supply					



STREAMLINE YOUR PROCESS

Comprehensive solutions for every condition-based monitoring program.

PROCESS PRODUCT CHECKLIST

Make sure you have everything you need.









Accessories

Cable assemblies

- IP68 rated options
- Class I, Div 2 suitable options
- Temperature ratings up to 200° C
- Shielded, twisted pair, multiconductor and coaxial

Mounting hardware

- Mounting bases and studs
- Fin mounts
- Isolators
- Magnetic bases
- Mounting pads

Accessories for iT products

- TBUS connectors
- Terminal blocks
- Fuses

Power supplies

- 24 VDC power supplies
- Models iT001, iT002, iT004

Hazardous area sensors



Model	North American certification	ATEX certification	IECEx certification
780A-IS, 786-500-IS, 786-500-M12-IS, 786A-IS, 786A-M12-IS, 786F-IS, 786T-IS, 787-500-IS, 787-500-M12-IS, 787A-IS, 787A-M12-IS, 787A-M8-IS	CL I Div 1 Groups A B C D; CL II Div 1 Groups E F G; CL III; CL I Zone 0 Ex ia IIC T4; CL I Zone 0 AEx/Ex ia IIC T4 Ta = -50° to +120° C	(E) II 1 G Ex ia IIC T4 Ga Ta = 120° C	Ex ia IIC T4 Ga Ta = 120° C
780A-D2, 786-500-D2, 786-500-M12-D2, 786A-D2, 786A-M12-D2, 786F-D2, 786T-D2, 787-500-D2, 787-500-M12-D2, 787A-D2, 787A-M12-D2, 787A-M8-D2	CL I Div 2 Groups A B C D; CL I Zone 2 Ex na II T4 Ta = -50° to +120° C	⟨E) II 3 G Ex nA IIC T4 Gc Ta = 120° C	
LPA100T-D2	CL I Div 2 Groups A B C D; CL II Div 2 Groups E F G; CL III; CL I Zone 2 AEx/Ex nL IIC T5 Ta = -50° to +85° C	(E) II 3 G Ex nA nC IIC T5 Gc Ex ic IIC T5 Gc Ta = -50° to +85°C	
PC420xx-yy-IS PC421xx-yy-IS PC423xx-yy-IS	CL I Div 1 Groups A B C D T3C Ta = 85° C max	 ⟨E₂⟩ II 1 G Ex ia IIC T4 Ga -40° < Tamb < +85° 	Ex ia IIC T4 Ga
PC420xx-yy-EX (Updated certifications pending)	CL I Div 1, 2 Groups A B C D T3C Ta = 85° C max	(E) II 3 G Ex nA nC II T3	
PCH420V-R6-HZ, PCH420V-M12-HZ	CL I Div 2-Groups A B C D CL I Zone 2 AEx/Ex nA nC T4 Ta = 105° C max	(E) II 3 G Ex nA nC IIC T4 Gc -40° C < Ta < +105° C	Ex nA nC IIC T4 Gc -40° C < Ta < +105° C

Model	US certification	Canadian certification	ATEX certification
793E, 793LE, 797E, 797LE	CL I, II, III, T4, Div 1 Groups A B C D E F G; Nonincendive for Div 2 Groups A B C D F G		
793VE, 797VE	CL I, II, III, T4, Div 1 Groups C D F G; Nonincendive for Div 2 Groups A B C D F G		
793-33, 793L-33, 793V-33, 793V-5-33, 797-33, 797L-33		Ex ia CL I, Div 1 Groups A B C D	
993B-5-33, 993B-6-33, 993B-7-33, 993B-7-M12 [CERT]		CL I Div 1 Groups A, B, C, D T4A Ta = 85° C max	
793-10-35, 793-35, 797-35, 797L-35			(E) II 1 G Ex ia IIC T4 Ga Tamb = -50° to +120° C
793V-35			(E) II 1 G Ex ia IIA T4 Ga Tamb = -50° to +120° C

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Sensor selection chart

	*Due to continued research and product development, the manufacturer reserves the right to amend this specification without notice									hout notice.	
Wilcoxon model	Sensitivity	Sensitivity tolerance, +	Frequency response @ ±3 dB	Resonance	Exit type / connector	Max temp	Mounting thread	psd noise @ 100 Hz	Acceleration range	Weight	Haz. area
		±	Hz	kHz		°C		/√Hz	g peak	grams	option
Premium high performance											
780A	100 mV/g	5%	0.5 - 14k	30	top, R6	120	1/4-28	5 µg	80	62	Y
786A	100 mV/g	5%	0.5 - 14k	30	top, R6	120	1/4-28	5 µg	80	90	Y
786LF	100 mV/g	5%	0.1 - 13k	30	top, R6	120	1/4-28	3 µg	50	90	
787A	100 mV/g	5%	0.5 - 10k	22	side, R6	120	1/4-28	5 µg	80	145	Y
General purpose											
780B	100 mV/g	10%	0.5 - 14k	30	top, R6	120	1/4-28	5 µg	80	62	
785A	100 mV/g	10%	1.0 - 12k	30	side, R6	120	1/4-28	6 µg	80	85	
786B-10	100 mV/g	10%	0.5 - 14k	30	top, R6	120	1/4-28	5 µg	80	90	
787B	100 mV/g	10%	0.7 - 10k	22	side, R6	120	1/4-28	5 µg	80	145	
Extended temper	ature range	1				1					
HT780A	100 mV/g	5%	0.5 - 14k	30	top, R6	150	1/4-28	7 µg	80	62	
HT786A	100 mV/g	5%	0.5 - 14k	30	top, R6	150	1/4-28	7 µg	80	90	
HT787A	100 mV/g	5%	0.7 - 10k	22	side, R6	150	1/4-28	7 µg	80	145	
376/CC701HT	100 mV/g	10%	1.0 - 15k	30	top, R1/ inline, R2	260	1/4-28	broadband: 0.001 g	50	75/40	
Integral cable						1					
786F	100 mV/g	5%	0.5 - 13k	30	top, integral cable	120	1/4-28	5 µg	80	90	Y
787F	100 mV/g	5%	0.7 - 10k	22	side, integral cable	120	1/4-28	5 µg	80	145	
712F	100 mV/g	10%	3.0 - 25k	>45	side, integral cable	120	8-32	10 µg	60	35	
780FM-2-J88C	100 mV/g	15%	0.4 - 12k	30	top, integral cable	120	1/4-28	4 µg	80	150.5	
High sensitivity /	low frequen	су									
786-500	500 mV/g	5%	0.2 - 14k	30	top, R6	120	1/4-28	1.5 µg	10	90	Y
786LF-500	500 mV/g	5%	0.1 - 13k	30	top, R6	120	1/4-28	2 µg	10	90	
787-500	500 mV/g	5%	0.2 - 10k	22	side, R6	120	1/4-28	1.5 µg	10	145	Y
793L	500 mV/g	5%	0.2 - 2.3k	15	top, R6	120	1/4-28	0.2 µg	10	142	Y
797L	500 mV/g	5%	0.2 - 3.7k	18	side, R6	120	1/4-28	0.2 µg	10	148	Y
799LF	500 mV/g	5%	0.1 - 2.5k	18	top, R6	120	1/4-28	1 µg	10	205	
High g sensors											
786A-I	10 mV/g	5%	0.5 - 14k	30	top, R6	120	1/4-28	23 µg	500	90	
732A/732AT	10 mV/g	5%	0.5 - 25k	60	side/top, R1	120	10-32	3 µg	500	13	
793-10	10 mV/g	5%	1.0 - 15k	25	top, R6	120	1/4-28	40 µg	500	110	Y
997	10 mV/g	10%	0.5 - 29k	>45	side, integral cable	120	8-32	9 µg	600	35	
Specialty sensors											
HV100/200	100 mV/g	5%	0.5 - 12k	25	top, R6	120	1/4-28,	5 µg	80	122 -	
HV100LF/200LF	100 mV/g	5%	0.1 - 11k	28	top, R6	120	M6 or M8	5 µg	80	126	
732-1D	10 mV/g	5%	0.4 - 22k	28	top, BNC	120	10-32	4 µg	500	28	
LPA100T	50 mV/g	5%	0.3 - 15k	30	top, M12	120	1/4-28	16 µg	25	90	Y

Wilcoxon model	Sensitivity	Sensitivity tolerance, ±	Frequency response @ ±3 dB	Resonance	Exit type / connector	Max temp	Mounting thread	psd noise @ 100 Hz	Acceleration range	Weight	Haz. area option
Soicmio			Hz	kHz		°C		/√Hz	peak	grams	
7214	10.V/a	10%	0.05 - 450	0.75	ton P6	65	2/8-16	0.004.ug	0.5.9	760	
731A	10 v/g	10 %	0.03 - 430	0.75	top, No	00	3/8-10	0.004 μg	0.5 g	760/	
731A/P31	V/g	10%	0.05 - 450	0.75	BNC	65	3/8-16	0.004 µg	0.5 g	600	
735T	10 V/g	10%	0.01 - 350	0.7	top, M12	65	M6x1	0.0035 µg	0.5 g	380	
731-207	10 V/g	10%	0.2 - 1.3k	2.4	top, R1	70	10-32	0.03 µg	0.5 g	50	
799M	1 V/g	5%	0.2 - 2.5k	18	top, R6	80	1/4-28	1 µg	5 g	205	
Dual output (vibra	ation + temp	erature) and	l triaxial sen	sors						1	
786T	100 mV/g	5%	0.5 - 12k	30	top, R6G	120	1/4-28	5 µg	80 g	90	Y
787T	100 mV/g	5%	0.5 - 12k	22	side, R6G	120	1/4-28	5 µg	80 g	145	
793T-3	100 mV/g	5%	0.5 - 15k	24	top, R6G	120	1/4-28	5 µg	80 g	115	
797T-1	100 mV/g	5%	1.0 - 12k	26	side, R6G	120	1/4-28	5 µg	80 g	135	
797LT	100 mV/g	5%	0.2 - 3.7k	18	side, R6G	120	1/4-28	5 µg	10 g	160	
993B series	25, 50 or 100 mV/g	10%	Z: 2 - 10k X, Y: 2 - 7k	>35	top, integral cable	120	10-32	3.2, 2.0, 1.4 μg	160, 80 or 40 g	134	Y
993B-7-M12	100 mV/g	10%	Z: 2 - 10k X, Y: 2 - 7k	>35	top, M12	120	10-32	2 µg	60 g	124	Y
Piezovelocity tra	nsducers										1
793V	100 mV/in/sec	10%	2.5 - 7k	15	top, R6	120	1/4-28	1.0 µin/sec	50 in/sec	145	Y
793V-5	500 mV/in/sec	10%	5.0 - 7k	15	top, R6	120	1/4-28	0.4 µin/sec	10 in/sec	145	
797V	100 mV/in/sec	10%	1.6 - 7k	18	side, R6	120	1/4-28	0.8 µin/sec	50 in/sec	148	Y
893V	100 mV/in/sec	5%	4.5 - 5k	15	top, R6	120	1/4-28	1.5 µin/sec	50 in/sec	145	
Traditional	1									1	
793	100 mV/g	5%	0.5 - 15k	25	top, R6	120	1/4-28	5 µg	80 g	112	Y
797	100 mV/g	5%	1.0 - 12k	26	side, R6	120	1/4-28	5 µg	80 g	135	Y
793-6	100 mV/g	10%	1.0 - 12k	25	top, R6	150	1/4-28	10 µg	50 g	135	
797-6	100 mV/g	10%	1.0 - 11k	18.5	side, R6	150	1/4-28	10 µg	50 g	145	
Underwater acce	lerometers										r
746	100 mV/g	5%	1.0 - 15k	30	top, integral cable	80	10-32	0.8 µg	50 g	45	
754	100 mV/g	10%	2.0 - 25k	60	side, integral cable	90	adhesive	4 µg	250 g	4	
4-20 mA output v	ibration sen	sors								1	
PC420 series acceleration, velocity, RMS and peak	4-20 mA	5%	1.0 - 2k	N/A	top, R6	105	1/4-28	N/A	5, 10, 20 g	162	Y
PC420DPP displacement, peak-to-peak	4-20 mA	5%	10 - 1k	N/A	top, R6	85	1/4-28	N/A	40 mils	162	
PC420-EX	4-20 mA	5%	4.0 - 2k	N/A	flying leads	85	3/8-24	N/A	5, 10, 20 g	380	Y
PCC421 acceleration, velocity, RMS and peak	4-20 mA	5%	4.0 - 2k	N/A	side, R6	105	1/4-28	N/A	5, 10, 20 g	140	
PCH420, HART-enabled	4-20 mA	5%	3.0 - 1.95k	N/A	top, M12	105	1/4-28	N/A	5, 10, 20, 50 g	115	Y

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