

# DAKOTA ULTRASONICS

## Single Element Precision Thickness Gauges, Transducers & Accessories - Price List

Date: 05/01/08

The **PX-7 Series** of gauges are packaged in an all aluminum case making them the most durable gauges on the market.

Models	Features	Part #	Price US
<b>PX-7</b>	Field Calibration of all materials, Interface-Echo Mode, Echo - Echo Mode, PLAS plastic mode, Alarm Mode, Differential Mode, and Data Output port.	Z-129-0001	1895.00
<b>PX-7 DL</b>	Field Calibration of all materials, Interface-Echo Mode, Echo - Echo Mode, Alarm Mode, Diff Mode, Scan Mode, and Data Logger - Stores 1000 Readings in 10 groups of 100. Unit includes Transfer Cable & Software.	Z-130-0001	2195.00
<b>PVX</b>	A/B Scan waveform display, multiple calibration options, and selectable material list. Multiple view options (RF, Rectified, B-Scan, and Digits w/Scan Bar). Adjustable pulse widths, selectable Interface-Echo and Echo -Echo options, Alarm Mode (Hi & Lo Limits), Hi Speed Scan Mode, multiple Languages, Setups (64 user defined), and Data Logger (Stores 12,000 Readings and waveforms). Unit includes Transfer Cable & PC Software.	Z-157-0001	2945.00
<b>Kit Includes:</b>	Unit, standard 1/4" Delay Line Transducer (2 Delay Tips - 3/8" & 1/2" L) & Cable, Couplant, Manual, Certificate of Calibration, AA Batteries and Plastic Carrying Case. PC Software & Transfer cable included with DL and PVX gauges.		

### Single Element Delay-Line

Single Element Delay Line Transducers (**15MHz is Included with gauge unless specified otherwise)							
Materials Used: *Aluminum, *Titanium, *Steels, *Thin Plastics							
Diameter	MHz	Part #	Comments	Connector	Entry	Price \$	
1/4"	15	T-402-5507	**Standard	Microdot	Side	435.00	
1/4"	20	T-402-6507		Microdot	Side	460.00	
PX Series - Measurement Range							
<b>Note:</b> Acrylic delay tips will measure plastics if the material velocity is different from that of acrylic. If the velocities are similar, a graphite tip will need to be used. Measurement ranges in plastics will vary depending on the type of plastic measured.							
Diameter	MHz	Mode	Range (ST=Steel) (PL=Plastic)	Delay Tip Part #	Delay Tip Length	Delay Tip Diameter	Crystal Diameter
3/16"	15	E-E	.006" to .400" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	15	I-E	.060" to .750" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	15	E-E	.010" to .100" ST	X-533-0000	3/8"	3/16"	3/16"

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1500 Green Hills Road, #107 Scotts Valley, CA 95066

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3/16"	15	I-E	.060" to .500" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	15	PLAS	.005" to .150" PL	X-533-0000	3/8"	3/16"	3/16"
1/4"	15	E-E	.006" to .400" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	15	I-E	.060" to 1.00" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	15	I-E	.005" to .250" PL	X-241-0000	1/2"	1/4"	1/4"
1/4"	15	E-E	.010" to .100" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	15	I-E	.060" to 1.00" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	15	PLAS	.005" to .150" PL	X-633-0000	3/8"	1/4"	1/4"
3/16"	20	E-E	.006" to .400" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	20	I-E	.060" to .750" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	20	E-E	.015" to .100" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	20	I-E	.060" to .500" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	20	PLAS	.005" to .150" PL	X-533-0000	3/8"	3/16"	3/16"
1/4"	20	E-E	.006" to .400" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	I-E	.060" to .750" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	I-E	.005" to .250" PL	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	E-E	.040" to .100" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	20	I-E	.060" to .500" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	20	PLAS	.005" to .150" PL	X-633-0000	3/8"	1/4"	1/4"
<b>Note:</b> Ranges were determined using standard 4340 steel calibration standards, and common plastic samples. These ranges may vary according to material type differences and surface conditions.							

### Single Element Delay-Line – Continued

<b>PVX A/B SCOPE– Measurement Range</b>							
<b>Note:</b> Acrylic delay tips will measure plastics if the material velocity is different from that of acrylic. If the velocities are similar, a graphite tip will need to be used. Measurement ranges in plastics will vary depending on the type of plastic measured.							
Diameter	MHz	Mode	Range (ST=Steel) (PL=Plastic)	Delay Tip Part #	Delay Tip Length	Delay Tip Diameter	Crystal Diameter
1/8"	15	E-E	.007" to .300" ST	X-132-0000	3/8"	1/8"	1/8"
1/8"	15	I-E	.020" to .400" ST	X-132-0000	3/8"	1/8"	1/8"
1/8"	15	I-E	.005" to .100" L	X-132-0000	3/8"	1/8"	1/8"
3/16"	15	E-E	.007" to .400" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	15	I-E	.020" to .500" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	15	I-E	.010" to .200" PL	X-532-0000	3/8"	3/16"	3/16"
3/16"	15	E-E	.010" to .500" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	15	I-E	.020" to .500" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	15	I-E	.005" to .200" PL	X-533-0000	3/8"	3/16"	3/16"
1/4"	15	E-E	.006" to .500" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	15	I-E	.025" to 1.00" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	15	I-E	.005" to .150"	X-241-0000	1/2"	1/4"	1/4"

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1/4"	15	E-E	.010" to .500" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	15	I-E	.020" to .500" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	15	I-E	.005" to .250" PL	X-633-0000	3/8"	1/4"	1/4"
3/16"	20	E-E	.006" to .400" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	20	I-E	.060" to .750" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	20	E-E	.015" to .100" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	20	I-E	.060" to .500" ST	X-533-0000	3/8"	3/16"	3/16"
3/16"	20	PLAS	.005" to .150" PL	X-533-0000	3/8"	3/16"	3/16"
1/4"	20	E-E	.006" to .400" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	I-E	.060" to .750" ST	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	I-E	.005" to .250" PL	X-241-0000	1/2"	1/4"	1/4"
1/4"	20	E-E	.040" to .100" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	20	I-E	.060" to .500" ST	X-633-0000	3/8"	1/4"	1/4"
1/4"	20	PLAS	.005" to .150" PL	X-633-0000	3/8"	1/4"	1/4"
<b>Note:</b> Ranges were determined using standard 4340 steel calibration standards, and common plastic samples. These ranges may vary according to material type differences and surface conditions.							

<b>Single Element Delay Line Pencil Transducers</b>							
<b>Materials Used:</b> *Aluminum, *Titanium, *Steels, *Thin Plastics							
Diameter	MHz	Part #	Comments	Connector	Entry	Price \$	
3/16"	10	T-481-4507	1/16" Tip	Microdot	Top	550.00	
3/16"	10	T-681-4507	90° Right Angle	Microdot	Side	550.00	
<b>PVX A/B SCOPE- Measurement Range</b>							
<b>Note:</b> Acrylic delay tips will measure plastics if the material velocity is different from that of acrylic. If the velocities are similar, a graphite tip will need to be used. Measurement ranges in plastics will vary depending on the type of plastic measured.							
Diameter	MHz	Mode	Range (ST=Steel) (PL=Plastic)	Delay Tip Part #	Delay Tip Length	Delay Tip Diameter	Crystal Diameter
3/16"	10	E-E	.006" to .200" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	10	I-E	.025" to .500" ST	X-532-0000	3/8"	3/16"	3/16"
3/16"	10	E-E	.005" to .100 PL	X-152-0000	3/8"	1/16"	3/16"
3/16"	10	I-E	.005" to .150" PL	X-752-0000	3/8"	1/8"	3/16"
<b>Note:</b> Ranges were determined using standard 4340 steel calibration standards, and common plastic samples. These ranges may vary according to material type differences and surface conditions.							

<b>Single Element Contact Transducers - (cable not included)</b>							
<b>Materials Used:</b> *Aluminum, *Titanium, *Steels, *Plastics							
Diameter	MHz	Part #	Comments	Connector	Entry	Price \$	
1/8"	5	T-400-2805		Microdot	Side	310.00	
1/8"	10	T-400-4805		Microdot	Side	335.00	
1/4"	2.25	T-402-1805		Microdot	Side	260.00	
1/4"	5	T-402-2805		Microdot	Side	260.00	

1/4"	10	T-402-4805		Microdot	Side	285.00
1/2"	2.25	T-404-1805		Microdot	Side	260.00
1/2"	5	T-404-2805		Microdot	Side	260.00
<b>PVX A/B SCOPE- Measurement Range</b>						
<b>Note:</b> Ranges were determined using standard 4340 steel calibration standards, and common plastic samples . These ranges may vary according to material type differences and surface conditions.						
Diameter	MHz	Mode	Range (ST=Steel) (PL=Plastic)	Wearface Diameter	Crystal Diameter	
1/8"	5	P-E	.040" to 3.0" ST	1/4"	1/8"	
1/8"	5	E-E	.020" to 3.0" ST	1/4"	1/8"	
1/8"	5	P-E	.020" to .500" PL	1/4"	1/8"	
1/8"	10	P-E	.040" to 3.0" ST	1/4"	1/8"	
1/8"	10	E-E	.010" to 3.0" ST	1/4"	1/8"	
1/8"	10	P-E	.020" to .400" PL	1/4"	1/8"	
1/4"	2.25	P-E	.050" to 3.0" ST	3/8"	1/4"	
1/4"	2.25	E-E	.040" to 3.0" ST	3/8"	1/4"	
1/4"	2.25	P-E	.040" to .650" PL	3/8"	1/4"	
1/4"	5	P-E	.040" to 6.0" ST	3/8"	1/4"	
1/4"	5	E-E	.020" to 3.0" ST	3/8"	1/4"	
1/4"	5	P-E	.025" to .600" PL	3/8"	1/4"	
1/4"	10	P-E	.025" to 6.0" ST	3/8"	1/4"	
1/4"	10	E-E	.010" to 3.0" ST	3/8"	1/4"	
1/4"	10	P-E	.020" to .500" PL	3/8"	1/4"	
1/2"	2.25	P-E	.075" to 10.0" ST	5/8"	1/2"	
1/2"	2.25	E-E	.100" to 3.0" ST	5/8"	1/2"	
1/2"	2.25	P-E	.065" to .750" PL	5/8"	1/2"	

### Accessory Items

<b>Instrument &amp; Carrying Cases</b>			
Part #	Description	Comments	Price \$
F-100-0004	DX-1 Nylon Instrument Case		55.00
F-101-0001	DX-2/DL Nylon Instrument Case		55.00
F-112-0005	MX & PX Series Nylon Case		55.00
F-149-0001	MVX, PVX, MMX-7 Instrument Case		75.00
F-206-0003	THOR Instrument Case		150.00
A-100-6002	Plastic Carrying Brief Case	All Models	35.00
E-100-0002	MX Carrying Case-No Couplant/Label		31.00
E-206-0001	Plastic Carrying Case	THOR only	70.00
E-206-0002	Plastic Carrying Case – Deluxe	THOR	180.00

<b>Transducer Cables</b>			
Part #	Description	Comments	Price \$

N-104-0020	4' Single Lemo to Microdot	PVX & PX	75.00
N-104-0021	4' Dual Lemo to Micodot Single	MVX-Flaw Cable	110.00
N-204-0020	4' Dual Lemo to Microdot	MVX, MMX, MX	110.00
N-204-1020	4' Dual Lemo to Microdot	Hi Temp Armored	130.00
Custom	Underwater cables	MVX, MX	Call

<b>Couplant</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
V-000-0001	4 oz bottle		7.00
V-000-0003	12 oz bottle		12.00
V-000-0004	1 gallon		85.00
V-000-0002	2 oz tube (High Temp)		37.00

<b>Calibration Blocks</b>			
<b>Part #</b>	<b>Description</b>	<b>Mat'l Type</b>	<b>Price \$</b>
X-000-0001	5 Step - .100" to .500"	4340 Steel	185.00
X-000-0002	4 Step - .250 to 1.0"	4340 Steel	185.00
Custom	5 Step - .100" to .500"	7075 Aluminum	185.00
Custom	4 Step - .250 to 1.0"	7075 Aluminum	185.00
Custom	5 Step - .100" to .500"	304 Stainless Steel	410.00
Custom	4 Step - .250 to 1.0"	304 Stainless Steel	410.00
Custom	5 Step - .100" to .500"	Titanium	455.00
Custom	4 Step - .250 to 1.0"	Titanium	455.00
X-000-0005	Carrying case	Wood	50.00
Custom	10 Step - .100" to 1.0"	1018 Steel	405.00
Custom	10 Step - .100" to 1.0"	7075 Aluminum	405.00
Custom	10 Step - .100" to 1.0"	304 Stainless Steel	805.00
Custom	10 Step - .100" to 1.0"	Titanium	975.00
Custom	Carrying Case	Wood	115.00
Custom	4 Step Thin - .04" - .100"	1018 Steel	230.00
Custom	4 Step Thin - .04" - .100"	7075 Aluminum	230.00
Custom	4 Step Thin - .04" - .100"	304 Stainless Steel	405.00
Custom	4 Step Thin - .04" - .100"	Titanium	615.00
Custom	Carrying Case	Wood	50.00
Custom	10 Step Metric – 2 to 20 mm	1018 Steel	455.00
Custom	10 Step Metric – 2 to 20 mm	7075 Aluminum	455.00
Custom	10 Step Metric – 2 to 20 mm	304 Stainless Steel	910.00
Custom	10 Step Metric – 2 to 20 mm	Titanium	1140.00
Custom	Carrying Case	Wood	115.00
Custom	10 Step Metric – 2.5 to 25 mm	1018 Steel	455.00
Custom	10 Step Metric – 2.5 to 25 mm	7075 Aluminum	455.00
Custom	10 Step Metric – 2.5 to 25 mm	304 Stainless Steel	910.00
Custom	10 Step Metric – 2.5 to 25 mm	Titanium	1140.00
Custom	Carrying Case	Wood	115.00
Custom	8 Step Metric – 1 to 8 mm	1018 Steel	405.00
Custom	8 Step Metric – 1 to 8 mm	7075 Aluminum	405.00
Custom	8 Step Metric – 1 to 8 mm	304 Stainless Steel	630.00
Custom	8 Step Metric – 1 to 8 mm	Titanium	795.00
Custom	Carrying Case	Wood	80.00

<b>Delay Tips - Delay Line Transducer Accessories</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
X-231-0000	1/4" Dia. x 3/8" L Delay Tips	Acrylic	15.00

X-241-0000	1/4" Dia. x 1/2" L Delay Tips	Acrylic	15.00
X-132-0000	1/8" Cone Tip Delay Line	Acrylic	15.00
X-532-0000	3/16" Cone Tip Delay Line	Acrylic	15.00
X-633-0000	1/4" Graphite Tip Delay (plastics)	Graphite	40.00
X-533-0000	3/16" Graphite Cone Tip Delay Line	Graphite	45.00
X-152-0000	1/16" Dia. x .450 L Delay Tip (Pencil)	Acrylic	45.00
X-752-0000	1/8" Dia. x .450 L Delay Tip (Pencil)	Acrylic	45.00

<b>Data Cables</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
N-306-0010	6 foot RS232 ( DB-9 to lemo )		100.00
N-402-0510	USB to Serial Adapter		45.00

<b>Software &amp; Data CD</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
A-206-7001	DakView3 & Manuals (.pdf)	All gauges	30.00