


# DAKOTA ULTRASONICS

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

Date: 01/01/24

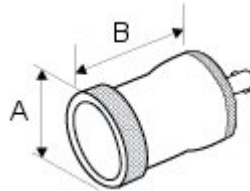
The **Specialty Series** of gauges are packaged in an all aluminum case.

Models	Features	Part #	Price US
<b>HPX DL+</b> 	A-Scan waveform (RF & Rectified views), Large Digits, and time based B-Scan views. Multiple calibration options, and selectable material list. Selectable pulser voltage and damping options. Time dependent gain (TDG) with adjustable slope and start settings. Selectable mode options: Pulse-Echo (P-E), Echo-Echo(E-E), and Echo-Echo Verify (E-EV) options. Alarm Mode (Hi & Lo Limits), Hi Speed Scan Mode, multiple Languages, Setups (64 user defined), Data Logger (4 GB SD card), USB-C connectivity, and screen capture to (.tif) images. Probe options: Custom Delay-Line & Contact.	Z-225-0001	3650.00
<b>Kits Includes:</b>	Unit, custom 1" Delay Line Transducer (Rubber Delay Line) & Cable, Couplant, Manual, Certificate of Calibration, AA Batteries and Plastic Carrying Case. PC Software (download) & transfer cable included.		

### SINGLE ELEMENT DELAY LINE TRANSDUCERS ( HPD ) – HIGH PENETRATION



Element Size (Dia.)	A	B
1.00"	1.060"	2.800"



<b>Description:</b>	Replaceable rubber delay line low frequency transducers.
<b>Used:</b>	Fiberglass, composite plastics, plastics, carbon fiber, rubber conveyor belts.
<b>Damping:</b>	Medium
<b>Connector:</b>	BNC top connect only
<b>Price:</b>	<b>\$1050.00 US</b>

DAKOTA ULTRASONICS - 1500 Green Hills Road, #107 Scotts Valley, CA 95066

Phone: (831) 431-9722 Fax: (831) 431-9723 [www.dakotaultrasonics.com](http://www.dakotaultrasonics.com)

Prices subject to change without notice: please call for an updated price list.

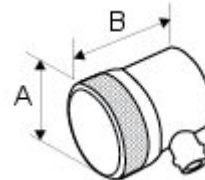
⚠️ "WARNING: Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)"

Element Size	500 kHz	1.0 MHz	2.25 MHz	3.5 MHz
.500" DIA. (a)	-	-	-	-
.750" DIA.	-	-	-	-
1.00" DIA.	HPD1005 T-857-8608 (T)	-	-	-
Ordering Example: Model #: HPD1005B = HPD 1.0" x 500 kHz BNC, or PT# T-407-8605				

**SINGLE ELEMENT CONTACT TRANSDUCERS ( SLM ) – HIGH WEAR**



Element Size (Dia.)	A	B
.500"	1.055"	1.230"
.750"	1.268"	1.430"
1.00"	1.555"	1.430"



<b>Description:</b>	High wear/resolution contact transducers with extended stainless steel ring.
<b>Used:</b>	Rough surfaces, Castings, Billets, and Extruded Parts.
<b>Damping:</b>	Medium
<b>Connectors:</b>	BNC (B), Lemo 1 (L) *Specify connector type after part #
<b>Price:</b>	<b>\$365.00 US **\$465.00 or ***\$430.00 (P) Composite option – 1MHz &amp; 3.5MHz only available with Composite. ***Call for price on 3.5MHz.</b>

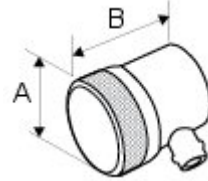
Element Size	**1.0 MHz	2.25 MHz	***3.5 MHz	5.0 MHz
.500" DIA. (a)	PSLM501 T-8040-0868	SLM5025 T-8040-1878	PSLM5035 -	SLM5050 T-8040-2878
.750" DIA.	PSLM751 T-8060-0868	SLM7525 T-8060-1878	PSLM7535 -	SLM7550 T-8060-2878
1.00" DIA.	PSLM101 T-8070-0868	SLM1025 T-8070-1878	PSLM1035 -	SLM1050 T-8070-2878

Ordering Example: Model #: SLM7525B = SLM .750" x 2.25MHz BNC, or PT# T-8060-1878

**SINGLE ELEMENT CONTACT TRANSDUCERS ( SLF ) – MEMBRANE**



Element Size (Dia.)	A	B
.500"	1.250"	1.180"
1.00"	1.500"	1.580"



<b>Description:</b>	Replaceable membrane protected contact transducers.
<b>Used:</b>	Rough surfaces, Castings (provides better contact).
<b>Damping:</b>	High Gain
<b>Connectors:</b>	BNC
<b>Price:</b>	<b>\$405.00 US **\$475.00 (P) Composite option - 1MHz &amp; 3.5MHz only available with Composite. ***\$450.00 (P) Composite option.</b>

Element Size	**1.0 MHz	***2.25 MHz	**3.5 MHz	***5.0 MHz
<b>.500" DIA.</b>	PSLF501 T-8041-0868	SLF5025 T-8041-1878	PSLF5035 T-8041-9868	SLF5050 T-8041-2878
<b>1.00" DIA.</b>	PSLF101 T-8071-0868	SLF1025 T-8071-1878	PSLF1035 T-8071-9868	SLF1050 T-8071-2878

Ordering Example: Model #: PSLF101 = PSLF 1.00" x 1.0 MHz, or PT# T-8071-0868

**SINGLE ELEMENT CONTACT TRANSDUCERS ( FC ) – FINGER TIP**



<b>Description:</b>	General contact style transducers with stainless steel construction. Good for near surface resolution with a 70% bandwidth.
<b>Used:</b>	Common metals, plastics
<b>Damping:</b>	High gain (G), Resolution (R) *Specify damping after (FC), No Damping on 1MHz or 3.5MHz - Composite.
<b>Connectors:</b>	Microdot Side Entry *Optional top connect (T)
<b>Price:</b>	<b>\$360.00 US or **\$395.00. 1MHz &amp; 3.5MHz only available with Composite. \$405.00 (P) Composite option.</b> *Specify connector mount after model #, or use direct part #


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Element Size	1.0 MHz	2.25 MHz	3.5 MHz	5.0 MHz	**10.0 MHz
<b>.250" DIA.</b>	-	FC2525 T-4023-1855 (R) T-5023-1855 (T) T-4023-1845 (G) T-5023-1845 (T)	PFC2535 T-4023-9865 T-5023-9865 (T)	FC2550 T-4023-2855 (R) T-5023-2855 (T) T-4023-2845 (G) T-5023-2845 (T)	FC2510 T-4023-4855 (R) T-5023-4855 (T) T-4023-4845 (G) T-5023-4845 (T)
<b>.375" DIA.</b>	-	FC3725 T-4033-1855 (R) T-5033-1855 (T) T-4033-1845 (G) T-5033-1845 (T)	PFC3735 T-4033-9865 T-5033-9865 (T)	FC3750 T-4033-2855 (R) T-5033-2855 (T) T-4033-2845 (G) T-5033-2845 (T)	FC3710 T-4033-4855 (R) T-5033-4855 (T) T-4033-4845 (G) T-5033-4845 (T)
<b>.500" DIA.</b>	PFC501 T-4043-0865 T-5043-0865 (T)	FC5025 T-4043-1855 (R) T-5043-1855 (T) T-4043-1845 (G) T-5043-1845 (T)	PFC5035 T-4043-9865 T-5043-9865 (T)	FC5050 T-4043-2855 (R) T-5043-2855 (T) T-4043-2845 (G) T-5043-2845 (T)	FC5010 T-4043-4855 (R) T-5043-4855 (T) T-4043-4845 (G) T-5043-4845 (T)
Ordering Example: Model #: FCR5025 = FC Resolution .500" x 2.25MHz, or PT# T-4043-1855					

SINGLE ELEMENT CONTACT TRANSDUCERS ( FCSL ) – FINGER TIP (SLIM LINE)				
				
<b>Description:</b>	Line high frequency general contact transducers with a stainless steel housing.			
<b>Used:</b>	Common metals, plastics			
<b>Damping:</b>	High Damped			
<b>Connectors:</b>	Microdot Side Entry *Optional top connect (T)			
<b>Price:</b>	<b>See below</b> *Specify connector mount after model #, or use direct part #			
<b>Element Size</b>	<b>5.0 MHz</b>	<b>10.0 MHz</b>	<b>15.0 MHz</b>	<b>20.0 MHz</b>
<b>Price</b>	\$400	\$430	-	-
<b>.125" DIA.</b>	FCSL1250 T-4903-2875 T-5903-2875 (T)	FCSL1210 T-4903-4875 T-5903-4875 (T)	FCSL1215 -	FCSL1220 -
Ordering Example: Model #: FCSL1250 = FCSL .125" x 5MHz, or PT# T-4903-2875				

## Accessory Items

Instrument & Carrying Cases			
			
Part #	Description	Comments	Price \$
F-149-0001	PVX Series Instrument Case	Nylon	85.00
A-149-6002	PVX Series Instrument Case	Rubber	110.00
A-100-6003	Plastic Carrying Brief Case	PVX	40.00

Transducer Cables			
			
Custom Lengths & High Temp/Wear Teflon: Available on request.			
Part #	Description	Comments	Price \$
N-104-0070	4' Single Lemo to Microdot	All Gauges	70.00
N-106-0100	6' Single Lemo to BNC	All Gauges	75.00
N-104-0020	4' Single Lemo to Microdot	All Gauges	75.00
N-106-0020	6' Single Lemo to BNC	All Gauges	80.00
N-110-0020	10' Single Lemo to Microdot	All Gauges	85.00
N-120-0020	20' Single Lemo to Microdot	All Gauges	95.00

Couplant			
			
Part #	Description	Comments	Price \$
V-000-0001	4 oz bottle		17.00
V-000-0003	12 oz bottle		28.00
V-000-0004	1 gallon		170.00
V-000-0005	4 oz bottle (low viscosity) - standard	HPD - Delay Line	22.50

**Calibration Blocks**



**\*Custom composite materials not available**

Part #	Description	Mat'l Type	Price \$
X-000-0001	5 Step - .100" to .500"	4340 Steel	235.00
X-000-0002	4 Step - .250 to 1.0"	4340 Steel	235.00
Custom	5 Step - .100" to .500"	1018 Steel	235.00
Custom	4 Step - .250 to 1.0"	1018 Steel	235.00
X-000-0022	5 Step - 2.5 - 12.5mm	1018 Steel	255.00
X-000-0021	4 Step - 6.25 - 25.0mm	1018 Steel	255.00
Custom	5 Step - .100" to .500"	7075 Aluminum	235.00
Custom	4 Step - .250 to 1.0"	7075 Aluminum	235.00
Custom	5 Step - .100" to .500"	304 Stainless Steel	530.00
Custom	4 Step - .250 to 1.0"	304 Stainless Steel	530.00
Custom	5 Step - .100" to .500"	Titanium	595.00
Custom	4 Step - .250 to 1.0"	Titanium	595.00
X-000-0005	Carrying case	Wood	60.00

**Data Cables**

Part #	Description	Comments	Price \$
N-003-0330	USB-C to USB TYPE A 3' data cable	v2.0 gauges	30.00