



DAKOTA ULTRASONICS

Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 04/15/22

Models:	Comments	Part #	Price US
Mini-Max 	Includes new version 2.0 hardware platform, and temperature connector for use with part# A-156-8001.	Z-156-0006	\$4050.00
Max II 	Includes temperature connector for use with pt# A-156-8001.	Z-197-0001	\$5150.00
Includes:	<p>MiniMax - Unit, 3 AA Batteries, 4 oz. Bottle of Couplant, USB Type A to Type C Transfer Cable, Carrying Case, 10' Lemo to Microdot Transducer cable, PC Utility Software (download from website), Operation Manual and Certification.</p> <p>Max II - Unit, Lithium Pack, 4 oz. Bottle of Couplant, USB Type A to Type B Transfer Cable, Carrying Case, 10' Lemo 00 to Microdot Transducer Cable, PC Utility Software (download from website), Operation Manual and Certification.</p>		

Non-Magnetic Single Element Contact Transducers



Fastener Material Types: All metals

Note: Side or Top entry connector option available

Diameter	Part #	MHz	Comments	Connector	Entry	Price \$
1/8"	T-5903-2875	5	Model - FCSL1250T	Microdot	Top	400.00
1/8"	T-4903-2875	5	Model - FCSL1250	Microdot	Side	400.00
1/8"	T-5903-4875	10	Model - FCSL1210T	Microdot	Top	430.00
1/8"	T-4903-4875	10	Model - FCSL1210	Microdot	Side	430.00
1/4"	T-5023-1855	2.25	Model - FCR2525T	Microdot	Top	360.00
1/4"	T-4023-1855	2.25	Model - FCR2525	Microdot	Side	360.00
1/4"	T-5023-2855	5	Model - FCR2550T	Microdot	Top	360.00
1/4"	T-4023-2855	5	Model - FCR2550	Microdot	Side	360.00
1/4"	T-5023-4855	10	Model - FCR2510T	Microdot	Top	395.00
1/4"	T-4023-4855	10	Model - FCR2510	Microdot	Side	395.00
1/2"	T-5043-1855	2.25	Model - FCR5025T	Microdot	Top	360.00

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

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

⚠️ "WARNING: Cancer and Reproductive Harm - www.p65warnings.ca.gov"

1/2"	T-4043-1855	2.25	Model – FCR5025	Microdot	Side	360.00
1/2"	T-5043-2855	5	Model – FCR5050T	Microdot	Top	360.00
1/2"	T-4043-2855	5	Model – FCR5050	Microdot	Side	360.00

Diameter Reference	Comments	Wearface Diameter	Crystal Diameter
1/8"		.230"	1/8"
1/4"		.355"	1/4"
1/2"		.605"	1/2"

Note: Other configurations, connectors, and styles available upon request for an additional charge. These items are custom builds only.

Magnetic Single Element Contact Transducers



Fastener Material Types: All metals

Diameter	Part #	MHz	Comments	Connector	Entry	Price \$
1/8"	T-700-2405	5		Microdot	Top	770.00
1/8"	T-700-4405	10		Microdot	Top	790.00
1/4"	T-702-1405	2.25		Microdot	Top	790.00
1/4"	T-702-2405	5		Microdot	Top	790.00
1/4"	T-702-4405	10		Microdot	Top	810.00
3/8"	T-703-1405	2.25		Microdot	Top	800.00
3/8"	T-703-2405	5		Microdot	Top	800.00
1/2"	T-704-1405	2.25		Microdot	Top	810.00
1/2"	T-704-2405	5		Microdot	Top	810.00
3/4"	T-706-1405	2.25		Microdot	Top	865.00
3/4"	T-706-2405	5		Microdot	Top	865.00

Diameter Reference	Comments	Outside Diameter	Wearface Diameter	Crystal Diameter
1/8"		.380"	.200"	.125"
1/4"		.750"	.320"	.250"
3/8"		.810"	.470"	.375"
1/2"		1.00"	.630"	.500"
3/4"		1.21"	.820"	.750"

Note: Other configurations, connectors, and styles available upon request for an additional charge. These items are custom builds only.

Glue On Single Contact Crystals						
Fastener Material Types: All metals						
Glue & Solvent: Loctite 425 & solvent 76820 X-NMS or equivalent.						
Note: For use on fasteners with limited elongation.						
Dimensions	Part #	MHz	Comments	Connector	Entry	Price \$
1/10"x1/10"	A-000-9003	7.5	Lot of 12 pcs	N/A	N/A	135.00
1/8"x1/8"	A-000-9001	7.5	Lot of 12 pcs	N/A	N/A	135.00
1/8"x1/8"	M-001-5140	7.5	Lot of 100 pcs w/coc	N/A	N/A	1400.00
Notes: M-001-5140: K81 crystal (Mat'l – Approx. 35% Lead, 60% Niobium, 5% Barium). Supplied with certificate of compliance with traceable lot ID and order #.						
*Additional frequencies & dimensions available as a custom build on request.						

Accessory Items

Instrument & Carrying Cases			
			
Part #	Description	Comments	Price \$
F-149-0001	MINI-MAX Instrument Case	Nylon	85.00
A-149-6002	MINI-MAX Instrument Case (v2.0)	Rubber	110.00
E-200-0002	MAX Instrument Case	Nylon	180.00
F-250-0006	MAX II Instrument Case	Nylon	195.00
A-100-6003	Plastic Carrying Brief Case	MINI-MAX	45.00
E-206-0001	Plastic Carrying Case	MAX only	78.00
E-206-0002	Plastic Carrying Case – Deluxe	MAX	200.00
A-250-6002	Plastic Carrying Case	MAX II only	100.00

Transducer Cables			
			
	Lemo 00 M	Lemo 00 F	Microdot
Custom Lengths & High Temp/Wear Teflon: Available on request			
Part #	Description	Comments	Price \$
N-104-0020	4' Single Lemo 00 to Microdot	MAX & MINI-MAX	75.00
N-106-0020	6' Single Lemo 00 to Microdot	MAX & MINI-MAX	80.00
N-110-0020	10' Single Lemo 00 to Microdot	MAX & MINI-MAX	85.00
N-110-6020	10' Single Lemo 00 to Microdot (High Temp, High Wear Teflon)	MAX & MINI-MAX	115.00
N-120-0020	20' Single Lemo 00 to Micodot Single	MAX & MINI-MAX	95.00

N-120-6020	20' Single Lemo 00 to Microdot (High Temp, High Wear Teflon)	MAX & MINI-MAX	125.00
N-320-0000	20' Lemo 00 2 pin to Lemo00 2 pin	MINI-MAX	125.00
N-104-0090	4' Single Lemo 00 to Spring Loaded Center Pin Fixture – Recessed Cap Bolts	MAX & MINI-MAX	225.00
N-704-0090	4' Single Lemo 00 to Spring Loaded 2 Pin fixture 5/16" Spacing	MAX & MINI-MAX	225.00
N-704-0094	4' Single Lemo 00 to Spring Loaded 2 Pin fixture 1/4" Spacing	MAX & MINI-MAX	225.00
A-000-9002	1/8" Magnetic Spring Loaded Center Pin Fixture – Hex Head Bolts	MAX & MINI-MAX	265.00
Custom	All Configurations	MAX & MINI-MAX	Call

Couplant



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


Calibration Blocks



Part #	Description	Mat'l Type	Price \$
X-000-0020	Glass Calibration block (1", 2", & 3")	Glass	1225.00
X-000-0011	3" Steel Calibration Bar	4140 Steel	345.00
X-000-0010	3" & 6" Steel Calibration Bars	4140 Steel	600.00

Operation Manuals

Part #	Description	Comments	Price \$
P-200-0002	Operation Manual (MAX)		22.00
P-156-0002	Operation Manual (MINI-MAX)		22.00
P-156-0005	Operation Manual (MINI-MAX v2.0)		22.00
P-197-0002	Operating manual (MAX II)		22.00

Misc. Accessories			
			
Part #	Description	Comments	Price \$
A-167-5004	High Speed Shut Off Box (control a pump) – Direct Hardware	MAX II	525.00
N-120-0400	20' Lemo 1 (5 pin) to Lemo 00 cable	MAX II	125.00

Data Cables & Adapters			
Part #	Description	Comments	Price \$
N-306-0010	6 foot RS232 (DB-9 to lemo)	MINI-MAX	75.00
N-406-0350	6 foot RS232 (DB-9 M/F)	MAX	25.00
N-402-0510	USB to Serial Adapter	MINI-MAX	40.00
N-606-0530	USB Type 1 to Type 2 female	MAX II only	28.00
N-110-0470	10' Lemo 1 5pin to BNC analog out cable	MAX II only	100.00
N-110-0410	10' Lemo 1 to 5pin DB9F serial out cable	MAX II only	90.00
N-003-0330	USB-C to USB TYPE A 3' data cable	MINI-MAX v2.0	28.00
N-306-0416	Universal cable (5 pin Lemo 1 to BNC, 6' DB9, & 2 6' Alarm out)	MAX II only	135.00

Battery Packs & Chargers			
Part #	Description	Comments	Price \$
B-040-3200	Lithium ion battery pack	MAX II only	250.00
B-030-0000	External smart battery charger	MAX II only	275.00

Line Power Adapters			
Part #	Description	Comments	Price \$
N-250-0001	Power adaptor (12 volts @ 2 amps w/6" cable)	MAX II	105.00
N-506-0060	Universal Power Cord	MAX & MAX II	17.00

Temperature Sensors			
Part #	Description	Comments	Price \$
A-156-8001	Temperature Sensor w/6' cable	MINI-MAX & MAX II	560.00

Transducer Diagrams

1/8" Magnetic	1/4" Magnetic	3/8" Magnetic
<p>Side view dimensions: 0.60</p> <p>Top view dimensions: 0.25, 0.38</p>	<p>Side view dimensions: 0.76</p> <p>Top view dimensions: 0.34, 0.65, 0.75</p>	<p>Side view dimensions: 0.77</p> <p>Top view dimensions: 0.45, 0.78, 0.83</p>
1/2" Magnetic	3/4" Magnetic	
<p>Side view dimensions: 0.76</p> <p>Top view dimensions: 0.58, 0.92, 1.00</p>	<p>Side view dimensions: 0.76</p> <p>Top view dimensions: 0.83, 1.15, 1.21</p>	