




DAKOTA ULTRASONICS

Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 01/01/18

Models:	Comments	Part #	Price US
Mini-Max 	Without Temperature Connector – External temperature source used, or user will be measuring fasteners one time only.	Z-156-0001	\$3025.00
Mini-Max 	Temperature Connector – Included only with the purchase of a temperature sensor pt# A-156-8001.	Z-156-0002	\$3025.00
Max II 	Temperature Connector – Included only with the purchase of a temperature sensor pt# A-156-8001.	Z-197-0001	\$4850.00
Includes:	Unit, 3 AA Batteries, 4 oz. Bottle of Couplant, RS232 Transfer Cable Lemo to DB9, USB converter cable to DB9, Carrying Case, 10' Lemo to Microdot Transducer cable, PC Utility Software, Operation Manual and Certification.		

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		Microdot	Top	365.00
1/8"	T-4903-2875	5		Microdot	Side	365.00
1/8"	T-5903-4875	10		Microdot	Top	390.00
1/8"	T-4903-4875	10		Microdot	Side	390.00
1/4"	T-5023-1855	2.25		Microdot	Top	320.00
1/4"	T-4023-1855	2.25		Microdot	Side	320.00
1/4"	T-5023-2855	5		Microdot	Top	320.00
1/4"	T-4023-2855	5		Microdot	Side	320.00
1/4"	T-5023-4855	10		Microdot	Top	385.00
1/4"	T-4023-4855	10		Microdot	Side	385.00

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

1/2"	T-5043-1855	2.25		Microdot	Top	320.00
1/2"	T-4043-1855	2.25		Microdot	Side	320.00
1/2"	T-5043-2855	5		Microdot	Top	320.00
1/2"	T-4043-2855	5		Microdot	Side	320.00

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	745.00
1/8"	T-700-4405	10		Microdot	Top	745.00
1/4"	T-702-1405	2.25		Microdot	Top	765.00
1/4"	T-702-2405	5		Microdot	Top	765.00
1/4"	T-702-4405	10		Microdot	Top	765.00
3/8"	T-703-1405	2.25		Microdot	Top	775.00
3/8"	T-703-2405	5		Microdot	Top	775.00
1/2"	T-704-1405	2.25		Microdot	Top	785.00
1/2"	T-704-2405	5		Microdot	Top	785.00
3/4"	T-706-1405	2.25		Microdot	Top	840.00
3/4"	T-706-2405	5		Microdot	Top	840.00


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 \$
1/8"x1/8"	A-000-9001	7.5	Lot of 12 pcs	N/A	N/A	120.00
Note: Additional frequencies & dimensions available as a custom build.						

Accessory Items

Instrument & Carrying Cases			
			
Part #	Description	Comments	Price \$
F-149-0001	MINI-MAX Instrument Case		75.00
E-200-0002	MAX Instrument Case		180.00
F-250-0006	MAX II Instrument Case		180.00
A-100-6003	Plastic Carrying Brief Case	MINI-MAX	35.00
E-206-0001	Plastic Carrying Case	MAX only	70.00
E-206-0002	Plastic Carrying Case – Deluxe	MAX	180.00
A-250-6002	Plastic Carrying Case	MAX II only	90.00


Transducer Cables			
			
	Lemo 00 M	Lemo 00 F	Microdot
Part #	Description	Comments	Price \$
N-104-0020	4' Single Lemo 00 to Microdot	MAX & MINI-MAX	65.00
N-106-0020	6' Single Lemo 00 to Microdot	MAX & MINI-MAX	70.00
N-110-0020	10' Single Lemo 00 to Microdot	MAX & MINI-MAX	75.00
N-120-0020	20' Single Lemo 00 to Microdot Single	MAX & MINI-MAX	85.00
N-320-0000	20' Lemo 00 2 pin to Lemo00 2 pin	MINI-MAX	110.00
N-104-0090	4' Single Lemo 00 to Spring Loaded Center Pin Fixture – Recessed Cap Bolts	MAX & MINI-MAX	200.00
N-704-0090	4' Single Lemo 00 to Spring Loaded 2 Pin fixture 1/4" Spacing	MAX & MINI-MAX	200.00
N-704-0094	4' Single Lemo 00 to Spring Loaded 2 Pin fixture 1/8" Spacing	MAX & MINI-MAX	200.00
A-000-9002	1/8" Magnetic Spring Loaded Center Pin Fixture – Hex Head Bolts	MAX & MINI-MAX	240.00

Custom	All Configurations	MAX & MINI-MAX	Call
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Couplant			
			
Part #	Description	Comments	Price \$
V-000-0005	4 oz bottle (low viscosity)	Standard	20.00
V-000-0001	4 oz bottle		15.00
V-000-0003	12 oz bottle		25.00
V-000-0004	1 gallon		140.00

Calibration Blocks			
			
Part #	Description	Mat'l Type	Price \$
X-000-0008	Glass Calibration block (1", 2" , & 3")	Glass	Call
X-000-0011	3" Steel Calibration Bar	4140 Steel	325.00
X-000-0010	3" & 6" Steel Calibration Bars	4140 Steel	575.00

Operation Manuals			
Part #	Description	Comments	Price \$
P-200-0002	Operation Manual (MAX)		20.00
P-156-0002	Operation Manual (MINI-MAX)		20.00
P-197-0002	Operating manual (MAX II)		20.00

Misc. Accessories			
			
Part #	Description	Comments	Price \$
A-167-5002	Shut Off Box (control a pump) - Serial	MAX, MAX II & MINI-MAX	525.00
A-167-5004	High Speed Shut Off Box (control a pump) – Direct Hardware	MAX II	500.00

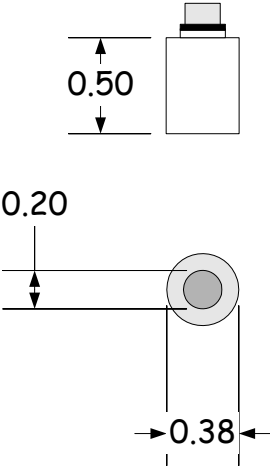
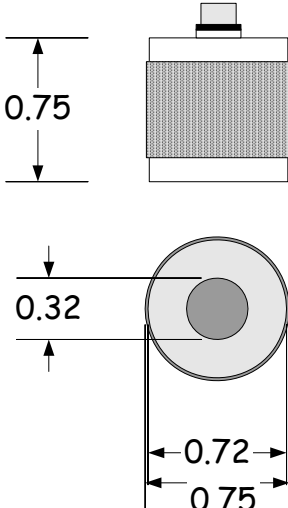
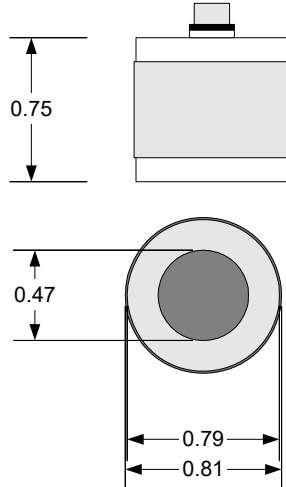
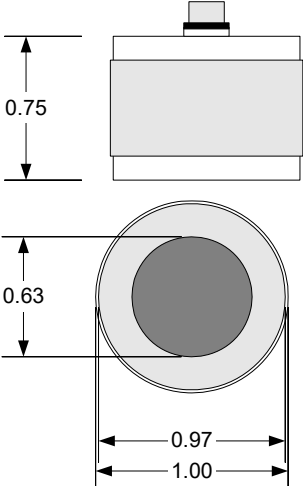
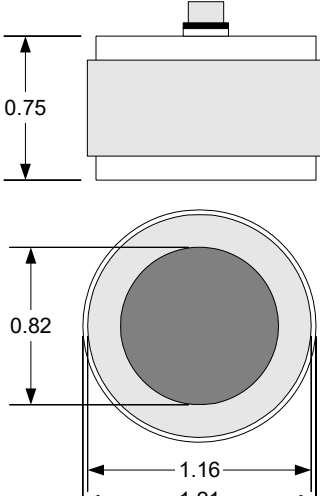
Data Cables & Adapters			
Part #	Description	Comments	Price \$
N-306-0010	6 foot RS232 (DB-9 to lemo)	MINI-MAX	65.00
N-406-0350	6 foot RS232 (DB-9 M/F)	MAX	20.00
N-402-0510	USB to Serial Adapter		25.00
N-606-0530	USB Type 1 to Type 2 female	MAX II only	25.00
N-110-0470	10' Lemo 1 5pin to BNC analog out cable	MAX II only	90.00
N-110-0410	10' Lemo 1 to 5pin DB9F serial out cable	MAX II only	80.00

Battery Packs & Chargers			
Part #	Description	Comments	Price \$
B-040-3200	Lithium ion battery pack	MAX II only	225.00
B-030-0000	External smart battery charger	MAX II only	245.00

Line Power Adapters			
Part #	Description	Comments	Price \$
N-006-0240	110 – 220 VAC to 12 VDC	MAX	50.00
N-250-0001	Power adaptor (12 volts @ 2 amps w/6" cable)	MAX II	95.00
N-506-0060	Universal Power Cord	MAX & MAX II	15.00

Temperature Sensors			
Part #	Description	Comments	Price \$
A-156-8001	Temperature Sensor w/6' cable	MINI-MAX & MAX II	525.00
A-205-8001	Temperature Sensor w/6' cable	MAX	525.00

Transducer Diagrams

1/8" Magnetic	1/4" Magnetic	3/8" Magnetic
 <p>0.50</p> <p>0.20</p> <p>0.38</p>	 <p>0.75</p> <p>0.32</p> <p>0.72</p> <p>0.75</p>	 <p>0.75</p> <p>0.47</p> <p>0.79</p> <p>0.81</p>
1/2" Magnetic	3/4" Magnetic	
 <p>0.75</p> <p>0.63</p> <p>0.97</p> <p>1.00</p>	 <p>0.75</p> <p>0.82</p> <p>1.16</p> <p>1.21</p>	