




DAKOTA ULTRASONICS

Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 12/01/18

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:	MiniMax - 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. 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, 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

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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
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 \$
1/10"x1/10"	A-000-9003	7.5	Lot of 12 pcs	N/A	N/A	120.00
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	Nylon	75.00
A-149-6002	MINI-MAX Instrument Case (v2.0)	Rubber	100.00
E-200-0002	MAX Instrument Case	Nylon	180.00
F-250-0006	MAX II Instrument Case	Nylon	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

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
N-003-0330	USB-C to USB TYPE A 3' data cable	MINI-MAX v2.0	25.00

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

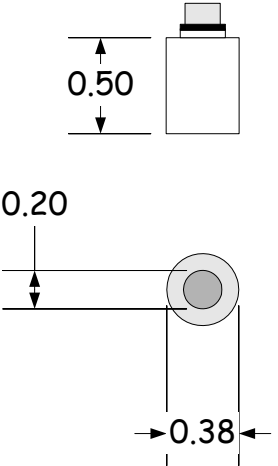
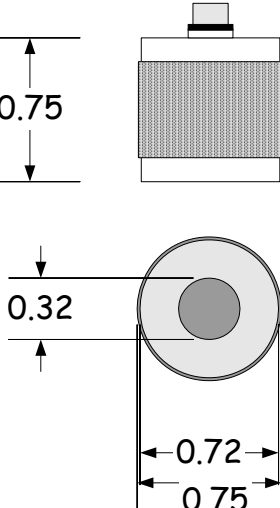
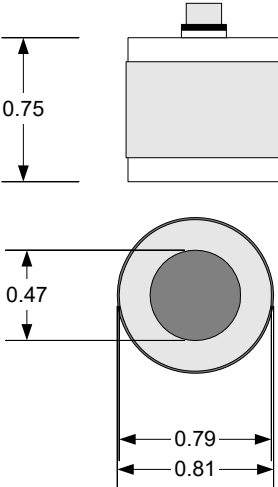
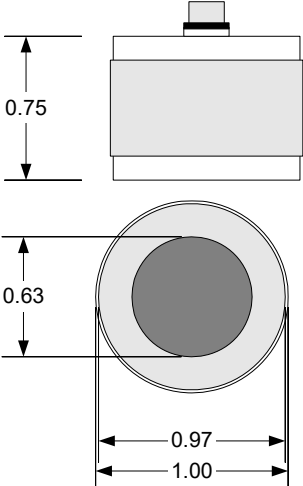
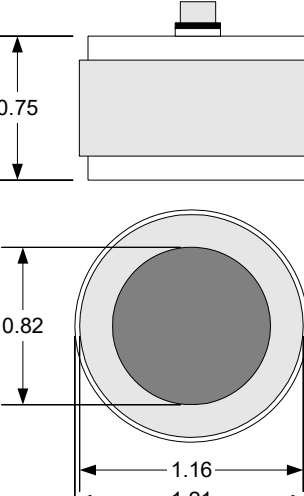
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Transducer Diagrams

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>	