



Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 02/01/15

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
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	350.00
1/8"	T-5903-4875	10		Microdot	Top	385.00
1/4"	T-5023-1855	2.25		Microdot	Top	290.00
1/4"	T-5023-2855	5		Microdot	Top	290.00
1/4"	T-5023-4855	10		Microdot	Top	290.00
1/2"	T-5043-1855	2.25		Microdot	Top	290.00
1/2"	T-5043-2855	5		Microdot	Top	290.00

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
A-100-6002	Plastic Carrying Brief Case	All Models	35.00
E-206-0001	Plastic Carrying Case	MAX only	70.00
E-206-0002	Plastic Carrying Case – Deluxe	MAX	180.00

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-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
Custom	All Configurations	MAX & MINI-MAX	Call

Couplant			
			
Part #	Description	Comments	Price \$
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

Misc. Accessories

Part #	Description	Comments	Price \$
A-167-5002	Shut Off Box (control a pump w/Mini-Max)	MAX & MINI-MAX	525.00

Data Cables & Power 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

Line Power Adapters

Part #	Description	Comments	Price \$
N-006-0240	110 – 220 VAC to 12 VDC	MAX	50.00
N-506-0060	Universal Power Cord	MAX	10.00

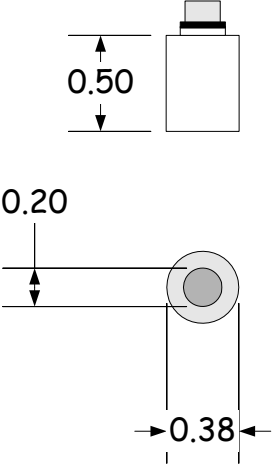
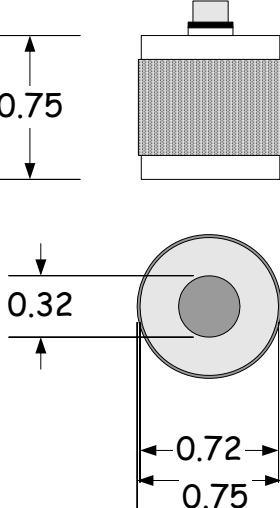
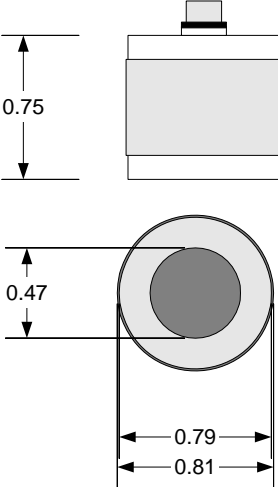
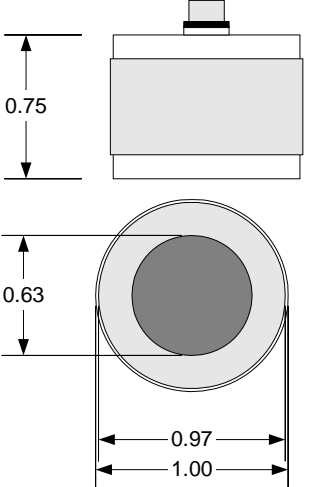
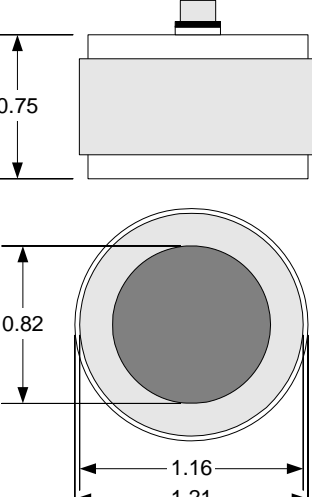
Temperature Sensors

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

Software & Data CD

Part #	Description	Comments	Price \$
A-156-7001	DakView Software & Manual CD	MINI-MAX	30.00
A-205-0001	MAXutils Software & Manual CD	MAX	30.00

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>	