



# DAKOTA ULTRASONICS

## Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 10/01/11

| Models:  | Comments   | Part #     | Price US  |
|--|--|------------|-----------|
| <b>Mini-Max</b><br> | Without Temperature Connector – External temperature source used, or user will be measuring fasteners one time only.   | Z-156-0001 | \$3025.00 |
| <b>Mini-Max</b><br> | Temperature Connector – Included only with the purchase of a temperature sensor pt# A-156-8001.  | Z-156-0002 | \$3025.00 |
| <b>Includes:</b>   | 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   | 340.00   |
| 1/8"     | T-5903-4875 | 10   |          | Microdot  | Top   | 370.00   |
| 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   | 340.00   |
| 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

DAKOTA ULTRASONICS

1500 Green Hills Road, #107 Scotts Valley, CA 95066

Phone: (831) 431-9722 Fax: (831) 431-9723 www.dakotaultrasonics.com

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



**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.

### Accessory Items



| 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 to Microdot        |           | MAX & MINI-MAX | 75.00    |
| N-120-0020 | 20' Single Lemo to Microdot Single |           | MAX & MINI-MAX | 85.00    |
| N-320-0000 | 20' Lemo to Lemo00                 |           | MINI-MAX       | 110.00   |
| Custom     | All Configurations                 |           | MAX & MINI-MAX | Call     |

### Couplant



| Part #     | Description           | Comments | Price \$ |
|------------|-----------------------|----------|----------|
| V-000-0001 | 4 oz bottle           |          | 10.00    |
| V-000-0003 | 12 oz bottle          |          | 20.00    |
| V-000-0004 | 1 gallon              |          | 100.00   |
| V-000-0002 | 2 oz tube (High Temp) |          | 37.00    |

### 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                | 4340 Steel | 300.00   |
| X-000-0010 | 3" & 6" Steel Calibration Bars          | 4340 Steel | 550.00   |

### Operation Manuals


| Part #     | Description                 | Comments | Price \$ |
|------------|-----------------------------|----------|----------|
| P-200-0002 | Operation Manual (MAX)      |          | 20.00    |
| P-156-0002 | Operation Manual (MINI-MAX) |          | 20.00    |

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| <b>Misc. Accessories</b>  |  |                 |                 |
|---|--|-----------------|-----------------|
|  |  |                 |                 |
| <b>Part #</b>   | <b>Description</b>                       | <b>Comments</b> | <b>Price \$</b> |
| A-167-5002  | Shut Off Box (control a pump w/Mini-Max) |                 | 525.00          |

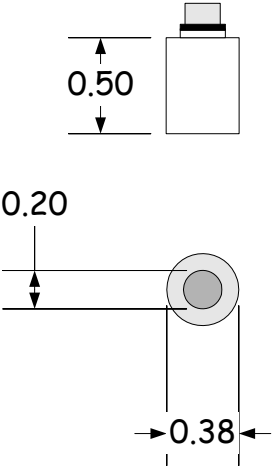
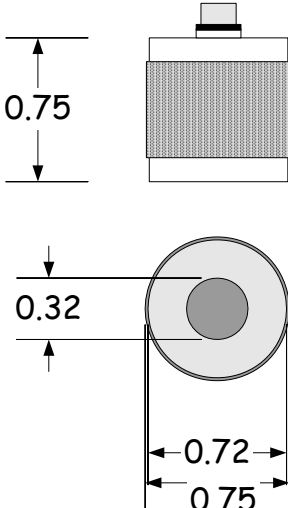
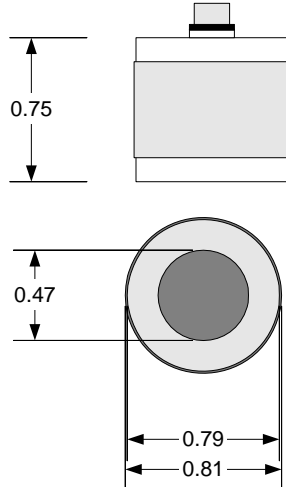
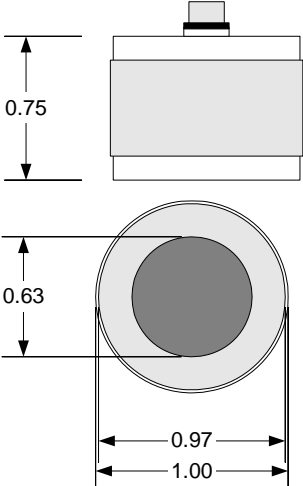
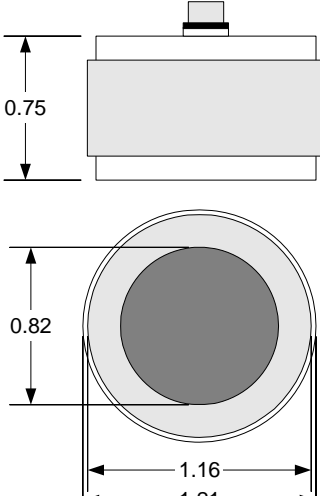
| <b>Data Cables &amp; Power Adapters</b> |                               |                 |                 |
|---|-------------------------------|-----------------|-----------------|
| <b>Part #</b>                           | <b>Description</b>            | <b>Comments</b> | <b>Price \$</b> |
| N-306-0010                              | 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           |

| <b>Line Power Adapters</b> |                         |                 |                 |
|----------------------------|-------------------------|-----------------|-----------------|
| <b>Part #</b>              | <b>Description</b>      | <b>Comments</b> | <b>Price \$</b> |
| N-006-0240                 | 110 – 220 VAC to 12 VDC | MAX             | 50.00           |
| N-506-0060                 | Universal Power Cord    | MAX             | 10.00           |

| <b>Temperature Sensors</b> |  |                 |                 |
|----------------------------|--|-----------------|-----------------|
| <b>Part #</b>              | <b>Description</b>                       | <b>Comments</b> | <b>Price \$</b> |
| 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          |

| <b>Software &amp; Data CD</b> |                                   |                 |                 |
|-------------------------------|-----------------------------------|-----------------|-----------------|
| <b>Part #</b>                 | <b>Description</b>                | <b>Comments</b> | <b>Price \$</b> |
| A-156-7001                    | MINI-MAXview 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> |   |