



DAKOTA ULTRASONICS

Ultrasonic Bolting Equipment, Transducers & Accessories - Price List

Date: 01/01/24

| 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 |

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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 | 40.00 |
| 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> | |