

Phono Equipment

Tonearms

ADC
Audio Dynamics Corp.
Pickett District Road
New Milford, Conn. 06776

LMF-1



Price \$205
Length 9 1/3", pivot to stylus
Friction Less than 2 mg
Eff. mass 5.5 grams
Cart. mass 4 to 11 grams
VTF range 0 to 1.5 gram
Cable capac. 220 pF
Resonance 11 Hz (with ADC ZLM Improved cartridge)
Track. error 0 degree at 3.2"
Headshell Fixed
Cueing Two-way
Features Tapered carbon-fiber arm with a low-mass-to-high-tensile-strength ratio; hand-picked stainless steel instrument bearings, micron-polished for virtually frictionless movement; compatible with all high quality magnetic cartridges between 4 and 11 grams in weight

Models also available
ALT-1, \$149.95

AUDIO-TECHNICA
Audio Technica U.S., Inc.
1221 Commerce Drive
Stow, Ohio 44224

AT-1010



Price \$350
Length 9 1/2", pivot to stylus
Eff. mass 10 grams
Cart. mass 4 to 14 grams
VTF range 0 to 2.5 grams

Resonance 10 Hz (with AT-14Sa cartridge)
Track. error 1.5 degree
Headshell Removable
Cueing Yes
Features Dynamic Tracing System eliminates change in tracking force as groove modulation varies; adjustable damping and lateral balance; interchangeable die-cast magnesium headshell

AT-1005

Price \$90
Length 9 1/2", pivot to stylus
Eff. mass 20 grams
Cart. mass 5 to 24 grams
VTF range 0 to 3 grams
Resonance 11 Hz (with AT-14Sa cartridge)
Track. error 1 degree, 30 min
Headshell Removable
Features Optional AT-L2 hydraulic lift, \$17; extra AT-S headshell available separately at \$8

Models also available

ATP-16T, \$150; ATP-12T, \$150

CONNOISSEUR

Hervic Electronics, Inc.
18750 Oxnard St., #406
Tarzana, Calif. 91356

SAU-4

Price \$160
Length 8 7/16", pivot to stylus
Friction 10 mg
Eff. mass 4 grams
VTF range 0 to 4 grams
Cable capac. 400 pF
Track. error 0 degree at 2 2/5" radius
Headshell Removable
Cueing Yes
Features Viscous-damped unipivot with pendant balance antiskate weighted (graduated); built-in cueing damped in both directions; spirit level; plug-in audio cables

Models also available

SAU-2, \$95

DECCA

Rocelco, Inc.
1669 Flint Road
Downsview, Ontario M3J 2J7
Canada

Decca International

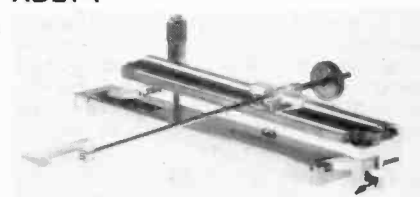
Price \$149.50
Length 9 1/2", pivot to stylus
Friction 11 1/4 to 3.5 mg
Eff. mass 9 grams
VTF range 0 to 3.5 grams
Resonance 10 Hz (with Decca Gold or Plum cartridge)
Track. error 0 degree at 2.4" radius

Headshell Removable
Cueing No
Features Jeweled unipivot bearing; magnetic antiskating; magnetic suspension; silicon viscous-damped

DENNESEN

Dennesen Electrostatics
P.O. Box 51
Beverly, Mass. 01915

ABLT-1



Price \$1,250
Length 7 1/2", pivot to stylus
Friction 0 mg
Eff. mass Variable
Cart. mass 4 to 11 grams
VTF range 0 to 3 grams
Cable capac. 75 pF
Resonance 11.5 Hz (with most cartridges by varying counterweights)
Track. error 0 degree
Headshell Fixed
Cueing Yes
Features Air-bearing; straight-line tracking

DENON

Denon America, Inc.
27 Law Drive
Fairfield, N.J. 07006

DA-401

Price \$360
Length 9 3/8", pivot to stylus
Friction 25 mg
Eff. mass 6 grams
Cart. mass 4 to 10 grams
VTF range 0 to 2 grams
Cable capac. 40 pF
Resonance 10 Hz (with DL-303 cartridge)
Track. error 2 degrees at 2 3/8" radius
Headshell Removable
Cueing Yes
Features Contoured magnetic non-contact antiskating; all electrical connections gold-plated; static balanced; dynamic damping

Models also available

DA-307, \$275

FIDELITY RESEARCH OF AMERICA

Fidelity Research, Inc.
P.O. Box 5242
Ventura, Calif. 98003

FR-66ss (silver)

Price \$1,300
Length 12", pivot to stylus
Friction 5 mg
Eff. mass 38 grams (with FR/S-3 headshell)
VTF range 0 to 5 grams
Resonance 6.7 Hz (with FR-Mk. 2 or FR-1 Mk. 3F cartridge and FR/S-3 headshell)
Track. error +1 degree, 40 min to 0.36 degree, 36 min
Headshell Removable
Features Silver wire in tonearm from headshell attachment to bottom of pillar post

FR-64ss (silver)

Price \$640
Length 9½", pivot to stylus
Friction 5 mg
Eff. mass 30 grams (with FR-1 Mk. 2 or FR-1 Mk. 3F cartridge and FR/S-3 headshell)
VTF range 0 to 5 grams
Resonance 7 Hz (with FR-1 Mk. 2 or FR-1 Mk. 3F cartridge)
Track. error +1 degree, 40 min to -1 degree, 20 min
Headshell Removable
Features Nonmagnetic stainless steel construction; gold-plated output connectors; stylus force set by linear dynamic balance spring with 0.5 gram adjustment; accessories available include a heavy stabilizer (nonadjustable) and adjustable arm stabilized for changing stylus tracking angle while playing record; also available as Model FR-64ss for \$640 with silver wire inside tonearm from headshell attachment to bottom of pillar post

Models also available

FR-14, \$400; FR-12, \$400

FULTON

Fulton Electronics
 4204 Brunswick Ave. North
 Minneapolis, Minn. 55422

Fulton Tonearm

Price \$1,295
Length 9¾", pivot to stylus
Cart. mass 2.5 to 10 grams
VTF range 0 to 4 grams
Cable capac. 58 pF
Resonance 9 Hz (with Fulton cartridge)
Headshell No headshell; unique design
Cueing No

GRACE

Sumiko, Inc.
 Box 5046
 Berkeley, Calif. 94705

G-1040

Price \$300
Length 9½", pivot to stylus
Friction 10 mg
Eff. mass 9.5 grams
Cart. mass 4 to 12 grams
VTF range 0 to 3 grams
Cable capac. 100 pF
Resonance 10 Hz (with Grace F-9L cartridge)
Track. error 1.5 degree
Headshell Removable; universal

G-714

Price \$275
Length 9½", pivot to stylus
Friction 3 mg
Eff. mass 7 grams
Cart. mass 4 to 14 grams
VTF range 0 to 3.3 grams

Cable capac. 100 pF
Resonance 10 Hz (with Supex SD-900/E+ cartridge)
Track. error 1.5 degree
Headshell Removable; proprietary
Cueing Yes
Features Unipivot, oil-damped, wooden (teak) tonearm

Models also available

G-704, \$275; G-707, \$190 (black, \$200); G-747, \$275

KEITH MONKS

Keith Monks Audio (USA)
 652 Glenbrook Road
 Glenbrook, Conn. 06906

M-9BA Mk. III

Price \$241.80
Length 9", pivot to stylus
Friction 4 mg lateral and vertical
Eff. mass 6 grams/cartridge tracking at 1 gram
VTF range 0.5 to 2.5 grams
Resonance 13 Hz (with 6-gram cartridge mass at 25 CU; dynamic compliance at 1 gram pressure)
Track. error 0 degree at 2.375" radius
Headshell Fixed
Features No wires thru pivot point; top arm removes completely to allow easy change of cartridges with interchangeable prebalanced arms

LINN PRODUCTS

Audiophile Systems
 5750 Rymark Court
 Indianapolis, Ind. 46250

LV-II

Price \$650
Length 9", pivot to stylus
Eff. mass 12 grams
Cart. mass 2 to 12 grams
VTF range 0 to 3 grams
Cable capac. 78 pF
Headshell Fixed
Cueing Yes

LUSTRE

Sumiko, Inc.
 Box 5046
 Berkeley, Calif. 94705

GST-801

Price \$500
Length 9¾", pivot to stylus
Friction 5 mg
Eff. mass 9.5 grams
Cart. mass 4 to 16 grams
VTF range 0 to 2.5 grams
Cable capac. 100 pF
Resonance 10 Hz
Track. error 1.1 degree at inner radius
Headshell Removable
Cueing Yes
Features Dynamic balance; magnetic flux stylus force and antiskate application; magnesium headshell adjustable about the azimuth; stainless steel, internally damped arm tube; helicoid vertical tracking angle adjustment

LUXMAN

Lux Audio of America, Ltd.
 160 Dupont St.
 Plainview, N.Y. 11803

TA-1

Price \$160
Length 15", pivot to stylus
Features Removable tube close to pivot

MAGNEPAN

Magnepan, Inc.
 1645 9th St.
 White Bear Lake, Minn. 55110

Unitrac I®

Price \$295
Length 9.5", pivot to stylus
Friction Less than 5 mg
Eff. mass 8 grams
Cart. mass 3 to 12 grams
VTF range 0 to 3 grams
Cable capac. 110 pF
Resonance 5 to 12 Hz (typical)
Track. error 1.77 degree at 6" radius
Headshell Removable
Cueing Yes
Features Adjustable vertical tracking angle while listening; stable, undamped unipivot design; low-inertia, high-stability, high-rigidity design

MICHELL ENGINEERING

J. A. Michell Engineering, Ltd.
 5930 Penfield Ave.
 Woodland Hills, Calif. 91367

Focus

Price \$275
Length 9 3/10", pivot to stylus
Eff. mass 5 grams
Cart. mass 2 to 14 grams
VTF range ½ to 6 grams
Cable capac. 165 pF
Resonance 8 Hz (with Koetsu cartridge)
Track. error 0.5 degree at 8" radius
Headshell Removable
Cueing Yes
Features 23.75 degrees headshell offset angle; fixed pivot to stylus length; double aluminum tube (concentric); triple-vane damping in vertical plane on unipivot; idealized geometry

MICRO SEIKI

Great American Sound
 20940 Lassen St.
 Los Angeles, Calif. 90060

MAX-282

Price \$1,000
Length 11.1", pivot to stylus
Friction 5 mg horizontal and vertical
Cart. mass 4 to 20 grams
VTF range 0 to 3 grams
Track. error 1.2 degree
Headshell Fixed, removable, proprietary, or universal
Cueing Yes
Features Full 4-point gimbal suspension; solid-silver triple-sealed output cable; variable dampening; interchangeable tonearm tubes; 4 lbs. stabilizer

Models also available

CF-XI, \$225; MAX-701, \$145

MISSION

Mission Electronics North America Corp.
 89 Galaxie Blvd.
 Resdale, Ontario M9W 6A4

Mission 774
Price \$347

REGA RESEARCH LTD.
Import Audio Ltd.
13430 Clayton Road
St. Louis, Mo. 63131

R-200

Price \$150
Length 9½", pivot to stylus
Friction 10 mg
Eff. mass 16 grams
VTF range 0.1 to 3 grams
Headshell Removable
Cueing Yes
Features Strict rigidity at critical points; arm cable matched for arm

SHURE

Shure Bros, Inc.
222 Hartrey Ave.
Evanston, Ill. 60204

M232



Price \$52
Length 8¼", pivot to stylus
VTF range 1.5 or more grams
Headshell Removable
Cueing No
Features For 12" recordings; full range of adjustments for static and dynamic balance, cartridge overhang, arm height, etc.

SIGNET

Signet Co.
4701 Hudson Drive
Stow, Ohio 44224

XK-50



Price \$400
Length 9 29/64", pivot to stylus
Cart. mass 4 to 11 grams
VTF range 0.1 to 1.6 gram
Cable capac. 75 pF
Resonance 10 Hz (with high-compliance cartridge)
Track. error ±1 degree
Headshell Fixed
Cueing Yes
Features Signetrace® damped planar tracking; detachable pipe at pivot; gold-plated electrical contacts; sterling-silver wiring with Teflon coating

SME

Shure Bros. Inc.
222 Hartrey Ave.
Evanston, Ill. 60204

3009 Series III-S

Price \$240
Length 9", pivot to stylus
Friction 20 mg
Eff. mass 5 grams
Cart. mass 0.2 to 13.7 grams
VTF range 0 to 2.5 grams
Cable capac. 60 pF
Resonance 11 to 12 Hz (with V15 Type IV cartridge)
Track. error 1.5 degrees at 5.5 inch radius
Headshell Removable
Cueing Yes
Features Detachable cartridge-carrying arm; sliding weight adjustments; fluid damper optional

Models also available

3009 Series III, \$294; 3009 Series II Improved, \$177

STAX

Stax Koygo, Inc.
940 E. Dominguez St.
Carson, Calif. 90746

UA-90

Price \$520
Length 12¼", pivot to stylus
Friction 10 mg
Cart. mass 4 to 17 grams
Resonance 5 Hz
Headshell Fixed
Cueing Yes
Features Straight carbon-fiber arm; high sensitivity; excellent tracking

UA-70

Price \$290
Length 12¼", pivot to stylus
Friction 5 mg
Cart. mass 0 to 15 grams
Resonance 5 Hz
Headshell Universal
Cueing Yes
Features High sensitivity; excellent tracking; metal tubular arm

UA-7

Price \$260
Length 9 2/5", pivot to stylus
Friction 5 mg
Cart. mass 2 to 16 grams
Resonance 7 Hz
Headshell Universal
Cueing Yes
Features High sensitivity; excellent tracking; metal arm

Models also available

UA-9, \$480; UA-7cf, \$335

SUMIKO

Sumiko, Inc.
P.O. Box 5046
Berkeley, Calif. 94705

THE ARM

Price \$1,200
Length 8.19", pivot to stylus

Friction 10 mg
Eff. mass 4.5 grams
VTF range 0 to 3 grams
Resonance 10 Hz (with 5.5 cartridge)
Track. error 1.25 degree at 60" radius
Headshell Fixed
Features Dynamic balance type; variable mass counterweight is internally decoupled; inner wires of special silver-coated copper

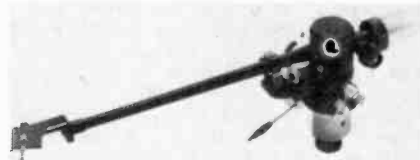
ULTRACRAFT

Osawa & Co. (U.S.A.), Inc.
521 Fifth Ave.
New York, N.Y. 10017

AC-3000 Mk II

Price \$500
Length 9½", pivot to stylus
Cart. mass 6 to 12.5 grams
VTF range 0 to 2 grams
Track. error 1 degree
Headshell Fixed
Cueing Yes
Features Adjustable oil-damped single-needle-point support system; interchangeable plug-in, low-mass arm stem (incl. cartridge mounting); height-adjustable cueing lever; compatible with all high-quality cartridges; easily installed on most single-play turntables; black anodized brass

AC-30



Price \$299.95
Length 9½", pivot to stylus
Cart. mass 6 to 12 grams
VTF range 0 to 2 grams
Cable capac. 210 pF
Track. error 1 degree
Headshell Fixed
Cueing Yes
Features Adjustable, oil-damped single-needle-point support system; compatible with all high quality cartridges; easily installed on most single-play turntables

Models also available

AC-300 Mk II, \$399.95

VA Systems

VA Systems, Inc.
Box 315
Savage, Minn. 55378

Record Tracing Instrument

Price \$2,850
Length 7½", pivot to stylus
VTF range 0.1 to 6 grams
Cable capac. 36 pF
Resonance 10 Hz (with Denon 103D cartridge)
Track. error 0 degree at 7½" radius
Headshell Removable; proprietary
Cueing Yes
Features Precision straight-line tracking, servo-drive arm; remote vertical-tracking angle; remote tracking force; remote cartridge azimuth; arm overhang adjustment

Phono Cartridges

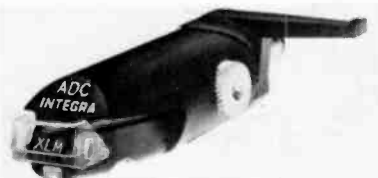
ADC
Audio Dynamics Corp.
Pickett District Road
New Milford, Conn. 06776

Astrion



Price \$185
Type Induced Magnet
Stylus Square-nude elliptical (extended contact); 0.0015" x 0.00025"
Track. force 1.2 to ± 0.2 gram
Output 0.9 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 30 dB at 1 kHz (or from 20 Hz to 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 300 pF
Features Laser-etched solid-sapphire cantilever Orbital Pivot™ suspension system; micro-machined armature without wires, adhesives, or governors

XLM Mk. III Integra



Price \$120
Weight 5.75 grams
Type Induced magnet
Stylus Nude elliptical; 0.2 x 0.7 mil
Track. force 1.2, ± 0.3 grams
Compliance 32×10^{-6} cm/dyne lateral
Output 1 mV at 1 cm/sec at 1 kHz
Response 10 Hz to 20 kHz, ± 1 dB; 20 kHz to 24 kHz, ± 1.5 dB
Separation 28 dB (1 kHz); 18 dB (10 kHz)
Vert. angle Adjustable
Recom. load 47K ohms; 275 pF
Features Carbon-fiber headshell; calibrated overhang adjustment

QLM 36 Mk. III

Price \$80
Weight 5.75 grams
Type Induced magnet
Stylus Diosa elliptical; 0.3 x 0.7 mil
Track. force 0.75 to 1.5 gram
Compliance 32×10^{-6} cm/dyne lateral
Output 1.1 mV at 1 cm/sec at 1 kHz
Response 15 Hz to 20 kHz, ± 2 dB
Separation 26 dB (1 kHz); 15 dB (10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 275 pF
Features Diamond tip bonded to a sapphire base for lower cost while maintaining all qualities

necessary for wide frequency response and separation; effective moving mass: 0.48 mg

QLM 30 Mk. III

Price \$35
Weight 5.75 grams
Type Induced magnet
Stylus Spherical; 0.7 mil
Track. force 3 to 5 grams
Compliance 7×10^{-6} cm/dyne lateral
Output 1.5 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 18 kHz, ± 3 dB
Separation 18 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 275 pF
Features Effective moving mass: 1.63 mg

Models also available

ZLM Improved, \$135; XLM Mk III Improved, \$110; XLM Mk II Integra, \$110; XLM Mk I Integra, \$69.95; QLM 34 Mk III, \$65; QML 33 Mk III, \$55; QLM 32 Mk III, \$50

ADCOM

Adcom
9 Jules Lane
New Brunswick, N.J. 08901

XC Linetrace

Price \$240
Weight 4.7 grams
Type Moving coil
Stylus 0.25 x 1.5 mil
Track. force 1.8 to 2.3 grams
Compliance 13 lateral; 11 vertical
Output 2.5 mV at 5 cm/sec
Response 20 Hz to 20 kHz, ± 1 dB
Separation 28 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms (non-critical)
Features Thin wall, large diameter aluminum cantilever for best stiffness-to-weight ratio; high-output version featuring Crosscoil™ armature

XC Elliptical

Price \$200
Weight 4.7 grams
Type Moving coil
Stylus Elliptical; 0.3 x 0.7 mils
Track. force 1.8 to 2.3 grams
Compliance 13 lateral; 11 vertical
Output 2.5 mV at 5 cm/sec
Response 20 Hz to 20 kHz, ± 1 dB
Separation 28 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; (non-critical)
Features Thin wall, large diameter aluminum cantilever for best stiffness-to-weight ratio; high-output version featuring Crosscoil™ armature

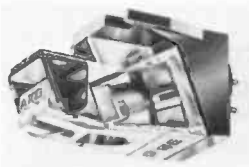
Models also available

LC Elliptical, \$160; LC Linetrace, \$200

AKG

AKG Acoustics, Inc.
77 Selleck St.
Stamford, Conn. 06902

P-8ES



Price \$165
Type Moving iron
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.25 gram
Compliance 35×10^{-6} cm/dyne lateral; 35 x 10

μ cm/dyne vertical
Output 3.75 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 28 kHz
Separation 30 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K; 470 pF
Features Individual response and separation curve; employs patented transversal suspension

P-6E

Price \$60
Type Moving iron
Stylus Elliptical; 0.4 x 0.8 mil
Track. force 1.5 to 2 mils
Compliance 20×10^{-6} cm/dyne lateral; 20×10^{-6} cm/dyne vertical
Output 6.25 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K; 470 pF
Features Employs patented transversal suspension

Models also available

P-8E, \$115; P-7E, \$80; P-6R, \$50

ANDANTE

Sumiko, Inc.
Box 5046
Berkeley, Calif. 94705

E

Price \$90
Type Moving magnet
Stylus Elliptical; 0.2 x 0.8 mil
Track. force 1 to 1.9 gram
Compliance 20×10^{-6} cm/dyne lateral; 18×10^{-6} cm/dyne vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 12 Hz to 30 kHz, ± 5 dB
Separation 30 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 250 pF

Models also available

S, \$65

AUDIO-TECHNICA

Audio Technica U.S., Inc.
1221 Commerce Drive
Stow, Ohio 44224

AT-32

Price \$300
Weight 6.8 grams
Type Moving coil
Stylus Nude-mounted elliptical; 0.2 x 0.7 mil on 0.12mm square shank
Track. force 1 to 2 grams
Output 0.4 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 24 kHz
Separation 30 dB at 1 kHz (or from 20 dB at 10 kHz)
Recom. load 17K ohms
Features Beryllium cantilever; samarium-cobalt magnet

AT-20SS

Price \$250
Weight 8 grams
Type Dual moving magnet
Stylus Shibata Plus; nude square shank
Track. force 0.75 to 1.75 gram
Output 2.7 mV at 5 cm/sec at 1 kHz
Response 5 Hz to 50 kHz
Separation 35 dB at 1 kHz (25 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 pF
Features Hand-selected version of AT-15SS; availability limited

AT-22

Price \$200
Weight 8.5 grams
Type Moving magnet with toroidal coils
Stylus Nude-mounted elliptical; 0.2 x 0.7 mil on 0.09mm square shank
Track. force 0.9 to 1.7 gram
Output 2.2 mV at 5 cm/sec at 1 kHz
Response 15 Hz to 23 kHz
Separation 30 dB at 1 kHz (or from 2 dB at 10 kHz)
Recom. load 47K ohms; 100 to 200 pF
Features Beryllium cantilever

AT-140 LC

Price \$175
Weight 6.5 grams
Type Moving magnet
Stylus Linear contact on 0.15mm nude-mounted square shank
Track. force 0.8 to 1.8 gram
Output 5 mV at 5 cm/sec at 1 kHz
Response 5 Hz to 32 kHz
Separation 30 dB at 1 kHz (or from 20 Hz to 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 to 200 pF
Features Para-toroidal coil construction; unified 2-ply laminated coil core and pole pieces

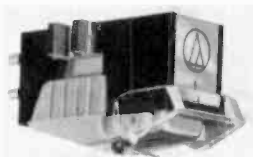
AT-125 LC

Price \$130
Weight 6.5 grams
Type Moving magnet
Stylus Linear contact
Track. force 1 to 1.8 gram
Output 5 mV at 5 cm/sec at 1 kHz
Response 15 Hz to 28 kHz
Separation 29 dB at 1 kHz (or from 20 Hz to 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 to 200 pF
Features Also available premounted on LS-12 headshell AT-125 LC/H for \$145

AT-13Ea

Price \$100
Weight 7 grams
Type Dual moving magnet
Stylus Elliptical nude square shank; 0.2 x 0.7 mil
Track. force 0.75 to 1.75 gram
Output 4.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 30 kHz
Separation 30 dB at 1 kHz (or from 20 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 pF

AT-12XE



Price \$85
Weight 5.5 grams
Type Dual moving magnet
Stylus Nude elliptical; 0.3 x 0.7 mil
Track. force 1 to 1.75 gram
Output 4.2 mV at 5 cm/sec at 1 kHz
Response 15 Hz to 28 kHz
Separation 28 dB at 1 kHz (or from 19 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 pF
Features Built-in flip stylus guard

AT-12E

Price \$70
Weight 5.5 grams
Type Dual moving magnet

Stylus Elliptical; 0.4 x 0.7 mil
Track. force 1 to 2 grams
Output 4.2 mV at 5 cm/sec at 1 kHz
Response 15 Hz to 26 kHz
Separation 27 dB at 1 kHz (or from 18 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 pF

ATP-2

Price \$60
Weight 7.2 grams
Type Dual moving magnet
Stylus Elliptical; 0.4 x 0.7 mil
Track. force 3 to 5 grams
Output 5.3 mV at 5 cm/sec at 1 kHz
Response 15 Hz to 22 kHz
Separation 23 dB at 1 kHz (or from 17 dB at 10 kHz)
Recom. load 47K ohms; 100 pF
Features High-visibility coating on cantilever tip eases cueing in poor light

AT-71E

Price \$50
Weight 5.5 grams
Type Moving magnet
Stylus 0.4 x 0.7 mil
Track. force 1 to 2 grams
Output 3.5 mV at 5 cm/sec at 7 kHz
Response 20 Hz to 22 kHz
Separation 22 dB at 7 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 100-200 pF

AT-70

Price \$40
Weight 5.5 grams
Type Moving magnet
Stylus Uniradial; 0.7 mil
Track. force 1.5 to 2.5 grams
Output 3.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 20 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 100 to 200 pF

Models also available

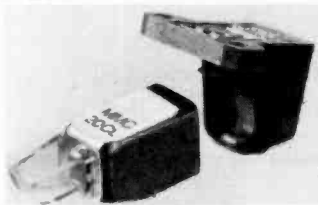
AT-25, \$275; AT-24, \$250; AT-23a, \$225; AT-155 LC, \$225; AT-15SS, \$200; AT-15XE, \$175; AT-14Sa, \$150; AT-30E, \$125; AT-12Sa, \$120; AT-130E, \$120; AT-120E, \$90; ATP-3, \$80; AT-110E, \$65; AT-11E, \$60; AT-11, \$50; AT-105, \$50; ATP-1 Cartridge, \$45; AT-10, \$40

BANG & OLUFSEN

Bang & Olufsen of America, Inc.

515 Busse Road
 Elk Grove Village, Ill. 60007

MMC-20CL



Price \$240
Weight 4 grams (5.5 grams with mounting bracket)
Type Moving micro-cross
Stylus Contact line naked diamond
Track. force 1 gram
Compliance 40 lateral; 30 vertical
Output 2.12 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ±1 dB

Separation 30 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 220 pF
Features Very low effective tip mass (0.3 mg) for less record wear; single crystal sapphire cantilever for maximum rigidity; see-through stylus guard; resonance graph included

MMC-10E

Price \$55
Weight 4 grams (5.5 grams with mounting bracket)
Type Moving iron
Stylus Ellipse; 5 x 15 micrometers
Track. force 1.5 gram
Output 2.12 mV at 5 cm/sec
Response 20 Hz to 20 kHz, ±3 dB
Separation 20 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K ohms
Features 0.5 mg effective tip mass

Models also available

MMC-20EN, \$140; MMC-20E, \$90

CONCORD

Concord Electronics
 6025 Yolanda Ave.
 Tarzana, Calif. 91356

CMC-4J0



Price \$179.95
Weight 2.3 grams
Type Moving coil
Stylus Nude-mounted line contact diamond; 1.57 x 0.26 mil
Track. force 1 to 1.5 gram
Compliance 36 x 10⁻⁶ cm/dyne static; 11 x 10⁻⁶ cm/dyne dynamic
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 50 kHz
Separation 32 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 40 to 100 ohms
Features Low mass for straight or curved tonearms; removable stylus; requires head amp or recommended Concord CT-40 step-up transformer (\$109.95)

CIM-50

Price \$39.95
Weight 6.2 grams
Type Induced magnet
Stylus Conical diamond; 0.65 mil
Track. force 1.5 to 2.5 grams
Compliance 27 x 10⁻⁶ cm/dyne (static); 9 x 10⁻³ cm/dyne (dynamic)
Output 3.5 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 20 kHz
Separation 26 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 30K to 100K ohms
Features Low mass; ideal for straight-type tonearms

Models also available

CMC-300, \$169.95; , \$99.95; CIM-60, \$49.95

DECCA

Rocelco, Inc.
 1669 Flint Road
 Downsview, Ontario M3J 2J7
 Canada

Mk. V1 Gold

Price \$199.50
Type Moving Iron
Stylus Elliptical; 0.6 x 0.3 mil
Track. force 1.5 gram
Compliance 15×10^{-6} cm/dyne lateral; 7.5×10^{-6} cm/dyne vertical
Output 5 mV at 5 cm/sec
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Vert. angle 15 degrees
Recom. load 50K ohms; 250 to 300 pF
Features "Positive Scanning" no-cantilever suspension system for improved transient response

Models also available

Decca Mk. V1 Plum, \$149.50

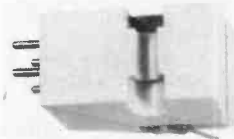
DENON

Denon America, Inc.
 27 Law Drive
 Fairfield, N.J. 07006

DL-303

Price \$385
Weight 5.8 grams
Type Moving coil
Stylus Elliptical; 0.1 x 0.05 mil
Track. force 1 to 1.4 gram
Compliance 13×10^{-6} cm/dyne vertical at 100 Hz
Output 0.2 mV at 50 cm/sec at 1 kHz
Response 20 Hz to 70 kHz
Separation 28 dB (1 kHz)
Recom. load 0.1K ohms; 100 pF
Features Tapered double-construction cantilever; samarium cobalt magnet; one-point suspension system

DL-103s



Price \$186
Weight 7.8 grams
Type Moving coil
Stylus Modified Shibata
Track. force 1.5 to 2.1 grams
Compliance 8×10^{-6} cm/dyne lateral
Output 0.3 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 60 kHz
Separation 25 dB (1 kHz)
Recom. load 40 ohms or more

Models also available

DL-103D, \$267; DL-301, \$150; DL-103, \$140

DUAL

United Audio Products, Inc.
 120 South Columbus Ave.
 Mt. Vernon, N.Y. 10553

ULM-60E

Price \$150
Weight 2.5 grams
Type Moving magnet
Stylus Biradial; 6 x 18 mils
Track. force 0.5 to 1.25 gram
Compliance 30×10^{-6} cm/dyne lateral; 35×10^{-6} cm/dyne vertical
Output 0.7 mV at 1 cm/sec at 1 kHz
Response 10 Hz to 30 kHz
Separation 28 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF
Features Cartridge with mounting hardware weighs 2.5 grams

Models also available

ULM-55E, \$110; ULM-50E, \$80

EMPIRE

Empire Scientific Corp.
 1055 Stewart Ave.
 Garden City, N.Y. 11530

EDR.9

Price \$200
Weight 5.2 grams
Type Moving Iron
Stylus L.A.C.; 0.3 x 3 mils
Track. force 1 to 2 grams
Compliance 28×10^{-6} cm/dyne lateral; 28×10^{-6} cm/dyne vertical (static)
Output 4.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 35 kHz, $\pm 1\frac{1}{4}$ dB
Separation 30 dB (or from 500 Hz to 15 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 150 pF
Features Inertially damped tuned stylus; insensitive to capacitance load

600 LAC



Price \$175
Weight 5.3 grams
Type Moving iron
Stylus L.A.C.; 0.3 x 3 mils
Track. force 1 to 2 grams
Compliance 28.5×10^{-6} cm/dyne lateral; 28.5×10^{-6} cm/dyne vertical (static)
Output 4 mV at 3.54 cm/sec at 1 kHz
Response 20 Hz to 28 kHz, $\pm 1\frac{1}{4}$ dB
Separation 30 dB at 1 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 150 pF
Features Inertially damped tuned stylus; samarium cobalt magnets; boron vaporized aluminum cantilever

2000Z

Price \$150
Weight 7 grams
Type Moving Iron (variable reluctance)
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.25 gram
Compliance 30×10^{-6} cm/dyne lateral; 30×10^{-6} cm/dyne vertical (static)

Output 3 mV at 3.54 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 30 dB from 500 Hz to 15 kHz; 20 dB from 20 to 500 Hz; 25 dB from 15 to 20 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 300 pF
Features Ultra-low tip mass; low IM distortion; tapered cantilever

200E

Price \$60
Weight 5.3 grams
Type Moving iron
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 2 to 4 grams
Compliance 19×10^{-6} cm/dyne lateral; 19×10^{-6} cm/dyne vertical (static)
Output 5.5 mV at 3.54 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 3 dB
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 250 pF
Features Samarium cobalt magnets; captured nut mounting system

Models also available

500 ID, \$125; 400 TC, \$100;

2000E/III, \$85; 300 ME, \$70; 100S, \$40

EMT

Gotham Audio Corp.
 741 Washington St.
 New York, N.Y. 10014

XSD-15

Price \$450
Weight 21 grams
Type Moving coil
Stylus Conical; 0.6 mil
Track. force 2 to 3 grams
Compliance 12×10^{-6} cm/dyne lateral
Output 0.15 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Vert. angle 15 degrees
Recom. load 0.8K ohms
Features Frequency intermodulation less than 0.5%

FIDELITY RESEARCH

Fidelity Research, Inc.
 P.O. Box 5242
 Ventura, Calif. 93003

FR-1 Mk. 7

Price \$660
Type Moving coil
Stylus Elliptical (long-line contact)
Track. force 2.5 grams
Compliance 6.5 lateral; 10^{-6} cm/dyne vertical
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 45 kHz, ± 2 dB
Separation 20 dB from 20 Hz to 200 Hz; -20 dB from 200 Hz to 10 kHz
Vert. angle 15 degrees
Recom. load 3 ohms impedance
Features Moving coil built on back of cantilever; cartridge built into its own headshell; mounts into universal headshell; FR-1 Mk. 7 cartridge and headshell combined weight 30 grams

Models also available

MC-201, N/A; FR-1 Mk3F, \$230; FR-1 Mk2, \$150

FULTON

Fulton Electronics
 4204 Brunswick Ave. N.
 Minneapolis, Minn. 55422

Fulton High Performance

Price \$350
Weight 5 grams
Type Moving coil
Stylus Conical; 0.65 mil
Track. force 1.5 to 1.75 gram
Compliance 12 cm/dyne lateral; 10 cm/dyne vertical
Output 0.33 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 60 kHz, ± 0.5 dB
Separation 34 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 4 ohms trans. or 47K ohms; 30 pF

GOLDRING

Hervic Electronics, Inc.
 18750 Oxnard St., #406
 Tarzana, Calif. 91356

G-900SE2

Price \$160
Weight 4 grams
Type Moving magnet
Stylus Elliptical; 7 x 2 mils

Track. force 0.75 to 1.5 gram
Compliance 40 lateral; 20 vertical
Output 4.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 2 dB
Separation 25 dB (nominal) kHz
Vert. angle 24 degrees
Recom. load 47K ohms; 150 to 200 pF
Features Low mass: 4 grams; designed for low-mass tonearms (under 4 grams)

820 Super E

Price \$85
Weight 7 grams
Type Moving magnet
Stylus Blradial; 0.3 x 0.7 mil
Track. force 0.6 to 1.75 gram
Compliance 30 cm lateral
Output 4 mV at 5 cm/sec
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz)
Recom. load 47 to 100K ohms; 200 to 400 pF
Features Hum-shielded; tie wire minimizes fore/aft cantilever movement

820

Price \$50
Weight 7 grams
Type Moving magnet
Stylus 0.6 mil
Track. force 1.5 to 4 grams
Compliance 20 cm lateral
Output 5 mV at 5 cm/sec
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Recom. load 47 to 100K ohms; 200 to 400 pF
Features Special polymer cantilever suspension; tie-wire cantilever restraint

850

Price \$30
Weight 7 grams
Type Moving magnet
Stylus 0.7 mil
Track. force 2.5 to 4 grams
Compliance 15 cm lateral
Output 8 mV at 5 cm/sec
Response 20 Hz to 18 kHz
Separation 20 dB at 1 kHz
Recom. load 47 to 100K ohms; 200 to 400 pF
Features Shielded from hum

Models also available

G-900E, \$95; 800 Super E, \$87; G-820 DJ, \$85; 820 E, \$60; 800 E, \$70; 800, \$40; 800 H, \$40

GRACE

Sumiko, Inc.
Box 5046
Berkeley, Calif. 94705

SF-90

Price \$250
Type Moving magnet
Stylus Advanced Luminal Trace; 0.2 x 0.7 mil
Track. force 1 to 1.5 gram
Compliance 20 x 10⁻⁶ cm/dyne lateral; 20 x 10⁻⁶ cm/dyne vertical
Output 5.5 mV at 5.0 cm/sec at 1 kHz
Response 10 Hz to 40 kHz, ± 3 dB
Separation 30 dB (1 kHz)
Vert. angle 22 degrees
Recom. load 47K ohms; 250 pF
Features Integrated cartridge and headshell with low-mass Advanced Luminal Trace stylus permits an effective tip mass of 0.3 mg for lower record wear and longer stylus life

F-9E

Price \$169
Weight 6 grams
Type Moving magnet
Stylus Elliptical; 0.3 x 0.7 mil

Track. force 1.25 to 2 grams
Compliance 25 x 10⁻⁶ cm/dyne lateral; 25 x 10⁻⁶ cm/dyne vertical
Output 3.5 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 45 kHz, ± 0.5 dB
Separation 30 dB (1 kHz)
Recom. load 47K ohms, 100K ohms; 100pF

Models also available

F-9L, \$160; F-8L, \$110

HERVIC

Hervic Electronics, Inc.
18750 Oxnard St., #406
Tarzana, Calif. 91356

G-900 SE Mk. 2

Price \$160
Weight 4 grams
Type Moving magnet
Stylus Elliptical; 0.7 x 0.2 mil
Track. force 0.75 to 1.5 gram
Compliance 40 cm lateral; 20 vertical
Output 4.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 2 dB
Separation 25 dB
Vert. angle 24 degrees
Recom. load 47K ohms; 150 to 250 pF

Models also available

G-900E, \$95

JVC

US JVC Corp.
58-75 Queens Midtown
Expressway
Maspeth, N.Y. 11378

MC-2E



Price \$199.95
Type Moving coil
Stylus Elliptical; 0.07 x 0.14 mil
Track. force 1.3 to 1.7 gram
Compliance 8 x 10⁻⁶ cm/dyne lateral
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz)
Recom. load 30 ohms

KOETSU

Sumiko, Inc.
Box 5046
Berkeley, Calif. 94705

MC ONE

Price \$1,000
Type Moving coil
Stylus Line contact; 0.3 x 0.8 mil
Track. force 1.5 gm
Compliance 15 x 10⁻⁶ cm/dyne lateral; 15 x 10⁻⁶ cm/dyne vertical
Output 0.4 mV
Response 5 Hz to 60 kHz
Separation 30 dB (1 kHz)
Vert. angle 20 degrees
Features Custom-made moving-coil cartridge; special boron/aluminum cantilever

LINN PRODUCTS
Audiophile Systems
5750 Rymark Court
Indianapolis, Ind. 46250

Linn-Asak DC-2100K

Price \$450
Weight 6 grams
Type Moving coil
Stylus Elliptical; 0.2 to 0.8 mil
Track. force 1.5 to 1.9 grams
Compliance 12 x 10⁻⁶ cm/dyne lateral
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 5 kHz, ± 3 dB
Separation 27 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 3.5 ohms

MICRO-ACOUSTICS

Micro-Acoustics Corp.
8 Westchester Plaza
Elmsford, N.Y. 10523

630



Price \$250
Weight 2.5 to 4 grams (adjustable with Vari-Balance)
Type Direct-coupled
Stylus Micro-Point II
Track. force 0.7 to 1.4 gram
Output 3.5 mV at 3.54 cm/sec at 1 kHz
Response 5 Hz to 20 kHz, ± 1 dB
Separation 30 dB (1 kHz)
Vert. angle 19 degrees
Recom. load 5K to 100K ohms; 25 to 1,500 pF (not critical)
Features Micro-fine beryllium cantilever; iridium-platinum axial damper; carbon-fiber construction; warp track; universal match micro circuit; dynamic feedback dampers

2002-E

Price \$125
Weight 4 grams
Type Direct-coupled electret
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 0.7 to 1.4 grams
Compliance 27 x 10⁻⁶ cm/dyne lateral; 25 x 10⁻⁶ cm/dyne vertical
Output 3.5 mV at 5 cm/sec
Response 5 Hz to 20 kHz, ± 1.5 dB
Separation 30 dB (1 kHz)
Vert. angle 19 degrees
Recom. load 10 to 100K ohms; 100 to 1,500 pF (not critical)
Features Full 2-year warranty; patented electret design; low mass

Models also available

530-MP, \$200; 3002, \$150; 382, \$120; 282-E, \$100

MISSION

Mission Electronics North
America Corp.
89 Galaxie Blvd.
Resdale, Ontario M9W 6A4

Mission 773

Price \$347

NAD
NAD (USA), Inc.
 Mackintosh Lane
 P.O. Box 529
 Lincoln, Mass. 01773

9000

Price \$160
Weight 6 grams
Type Moving coil
Stylus 0.4 x 0.7 mil
Track. force 1.5, ± 0.3 grams
Output 1.8 mV at 3.54 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 2 dB
Separation 20 dB (1 kHz)
Recom. load 47K ohms; less than 1,000 pF (non-critical)
Features Low mass (under 6 grams); requires no head amp

NAGATRON
 Nagatronics Corp.
 P.O. Box 509
 Baldwin, N.Y. 11510

9600



Price \$225
Weight 7.6 grams
Type Induced magnet
Stylus Semi-line contact super elliptical
Track. force 0.9 to 1.3 grams (1.1 optimum)
Compliance 15×10^{-6} cm/dyne (100 Hz) lateral;
 15×10^{-6} cm/dyne (100 Hz) vertical
Output 2 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 30 kHz
Separation 27 dB (1 kHz)
Vert. angle 20 degrees, ± 4 degrees
Recom. load 29K ohms
Features Triangular stylus; boron cantilever; effective mass 0.031; aluminum-magnesium alloy body

360 CE

Price \$135
Weight 6.1 grams
Type Induced magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 1.7 grams
Compliance 9×10^{-6} cm/dyne (100 Hz) lateral;
 9×10^{-6} cm/dyne (100 Hz) vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz, ± 2.5 dB
Separation 25 dB (1 kHz)
Vert. angle 22 degrees
Recom. load 50K ohms; 350 pF
Features Solid carbon-fiber cantilever

210 E

Price \$84
Weight 5.8 grams
Type Induced magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 1.75 gram
Compliance 8×10^{-6} cm/dyne (100 Hz) lateral;
 8×10^{-6} cm/dyne (100 Hz) vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz)

Vert. angle 22 degrees
Recom. load 50K ohms; 350 pF
Features UT-58 cantilever

244 DE

Price \$64
Weight 5.7 grams
Type Induced magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 1.5 to 2 grams
Compliance 8×10^{-6} cm/dyne lateral; 8×10^{-6} cm/dyne vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 25 kHz
Separation 25 dB (1 kHz)
Vert. angle 22 degrees
Recom. load 50K ohms; 350 pF
Features VI-58 aluminum cantilever

200 S

Price \$45
Weight 5.7 grams
Type Induced magnet
Stylus Equiradial; 0.5 mil
Track. force 1.75 gram
Compliance 8×10^{-6} cm/dyne (100 Hz) lateral;
 8×10^{-6} cm/dyne (100 Hz) vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz)
Vert. angle 22 degrees
Recom. load 50K ohms; 350 pF
Features UT-58 cantilever

Models also available

HV-9100, \$275; 360 CEX, \$165; 220 CE, \$120; 350 E, \$95; 344 DE, \$70; 300DJ, \$65; 340 S, \$55; 195 IE, \$55; 185 E, \$45; 175 IS, \$42.50; 165 S, \$35

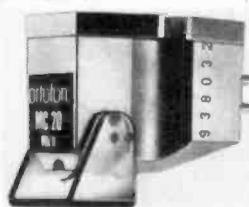
ONKYO
 Onkyo U.S.A. Corp.
 42-07 20th Ave.
 Long Island City, N.Y. 11105

MC-100

Price \$170
Type Moving coil
Track. force 1.6 to 2 grams
Compliance 8.5×10^{-6} cm/dyne (100 Hz) lateral
Output 0.4 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 50 kHz
Separation 28 dB (1 kHz)
Recom. load 24, $\pm 20\Omega$
Features Carbon fiber with Duralumin; 3-layer cantilever; hand-made; computer-assisted design

ORTOFON
 Tannoy-Ortofon, Inc.
 122 Dupont St.
 Plainview, N.Y. 11803

MC-20 Mk.-II



Price \$350
Weight 7 grams
Type Moving coil
Stylus Fine line; 1.4 x 0.07 mil
Track. force 1.7 gram

Concorde 30

Price \$180
Weight 6.5 grams
Compliance 12 lateral; 12 vertical
Output 0.09 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 25 dB (1 kHz) (or from 15 Hz to 15 kHz)
Vert. angle 20 degrees
Type Moving magnet
Stylus Fine line
Track. force 1.2 to 1.8 gram
Compliance 25×10^{-6} cm/dyne lateral; 28×10^{-6} cm/dyne vertical
Output 3 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 25 kHz
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF
Features Cartridge/headshell combination with total weight of 6.5 grams; variable magnetic shunt principle

LM-20H

Price \$165
Type Moving magnet
Stylus Fine line
Track. force 0.8 to 1.2 gram
Compliance 35×10^{-6} cm/dyne lateral; 40×10^{-6} cm/dyne vertical
Output 3 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF
Features Ultra-high compliance for use with extremely low-mass tonearms only; variable magnetic shunt principle; low-mass design with total weight of 2.6 grams

LM-20

Price \$125
Type Moving magnet
Stylus Fine line
Track. force 1.5 to 2.1 grams
Compliance 15×10^{-6} cm/dyne lateral; 22×10^{-6} cm/dyne vertical
Output 3.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF
Features Variable magnetic shunt principle; low-mass design with total weight of 2.6 grams

VMS-20E Mk. II

Price \$100
Type Moving magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 0.75 to 1.5 gram
Compliance 40×10^{-6} cm/dyne lateral; 30×10^{-6} cm/dyne vertical
Output 5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 190 to 400 pF
Features Variable magnetic shunt principle; removable capacitance-matching device

FF-15XE Mk. II

Price \$50
Type Moving magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 1.5 to 3 grams
Compliance 20×10^{-6} cm/dyne lateral; 20×10^{-6} cm/dyne vertical
Output 5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 20 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF
Features Variable magnetic shunt principle

Models also available

MC-30, \$650; MC-20, \$215; LM-

30, \$160; LM-30H, \$160; MC-10, \$165; Concorde 20, \$145; FF-15E Mk. II, \$65; Concorde 10, \$100

OSAWA
Osawa & Co. (USA), Inc.
521 Fifth Ave.
New York, N.Y. 10017

MP-50

Price \$229.95 (unmounted); \$249.95 (mounted in magnesium headshell)
Weight 9 grams
Type Induced magnet
Stylus Triangle-tip, super elliptical
Track. force 1.1 to 1.5 grams
Compliance 12×10^{-6} cm/dyne dynamic; 24×10^{-6} cm/dyne static
Output 2.5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 28 kHz, ± 1 dB
Separation 27 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 100 pF
Features Body is impacted aluminum; stylus assembly is held firmly in place by two Allen fasteners; boron cantilever

MP-15

Price \$99.95 (unmounted); \$119.95 (mounted in Osawa high performance headshell)
Weight 7.8 grams
Type Induced magnet
Stylus Elliptical diamond; 0.3×0.7 mils
Track. force 1.5 to 2 grams
Compliance 8×10^{-6} cm/dyne dynamic; 20×10^{-6} cm/dyne static
Output 4.5 mV at 1 kHz
Response 20 Hz to 20 kHz; ± 1 dB
Separation 24 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 100 pF
Features Body is a high-rigidity plastic casting reinforced with fiberglass; oversize mounting surface ensures rigid coupling to tonearm headshell

MP-10



Price \$59.95 (unmounted); \$79.95 (mounted in magnesium headshell)
Weight 6.8 grams
Type Induced magnet
Stylus Conical; 0.5 mils
Track. force 2 to 2.5 grams
Compliance 7×10^{-6} cm/dyne dynamic; 20×10^{-6} cm/dyne static
Output 5 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 1 dB
Separation 22 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 100 pF
Features Body is injection-molded ABS plastic; oversize mounting surface ensures rigid coupling to tonearm headshell

OS-201

Price \$59.95
Weight 7.4 grams
Type Induced magnet
Stylus Elliptical; 0.3×0.7 mils
Track. force 1.75 to 2.5 grams
Output 2.8 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 22 kHz, ± 1.5 dB

Separation 20 dB (1 kHz)
Recom. load 47K ohms
Features Aluminum A-2024T cantilever; bonded elliptical diamond tip

Models also available

MP-30, \$149.95 (unmounted); \$169.95 (mounted in magnesium headshell); MP-20, \$119.95 (unmounted); \$139.95 (mounted in Osawa high performance headshell); MP-11, \$79.95 (unmounted); \$99.95 (premounted in magnesium headshell); OS-101, \$39.95

PICKERING
Pickering & Company, Inc
101 Sunnyside Blvd.
Plainview, N.Y. 11803

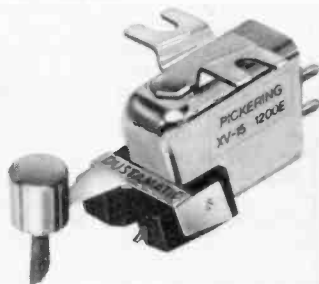
XL2-7500S

Price \$250
Weight 5.5 grams
Type Moving magnet
Stylus Stereohedron; 0.3×2.8 mils
Track. force 0.5 to 1.5 grams
Output 0.06 mV at 1 cm/sec
Response 10 Hz to 50 kHz
Separation 35 dB
Recom. load 100 ohms; up to 1,000 pF
Features Customer-replaceable stylus; low dynamic tip mass; lighter weight than moving-coil designs; high-compliance stylus

XUV-4500Q

Price \$450
Weight 5.5 grams
Type Moving magnet
Stylus Quadrahedron
Track. force 0.5 to 1.5 gram
Response 10 Hz to 50 kHz, ± 1.5 dB
Separation 35 dB (1 kHz)
Features CD-4 cartridge

XV-15/1200E



Price \$92
Weight 5.5 grams
Type Moving iron
Stylus Elliptical; 0.2×0.7 mils
Track. force 0.5 to 1.25 gram
Response 10 Hz to 30 kHz, ± 1.5 dB
Separation 35 dB (1 kHz)

Models also available

XSV/5000, \$200; XSV/4000, \$160; XSV-3000, \$115; XV-15/750E, \$74.75; XV-15/625DJ, \$69.50; XV-15/625E, \$169

PREMIER
Sumiko, Inc.
P.O. Box 5046
Berkeley, Calif. 94705

LME

Price \$149

Type Moving coil
Stylus Elliptical; 0.3×0.8 mil
Track. force 1.3 to 2 grams
Compliance 18×10^{-6} cm/dyne lateral; 18×10^{-6} cm/dyne vertical
Output 0.35 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 36 kHz, ± 2.0 dB
Separation 30 dB (1 kHz)
Features Low-mass factory-replaceable stylus

Models also available
LMS, \$109

REALISTIC
Radio Shack Corp.
1400 One Tandy Center
Ft. Worth, Texas 76102

RXT-4

Price \$49.95
Type Moving magnet
Stylus Biradial; 5×18 microns
Track. force $\frac{3}{4}$ to $1\frac{1}{2}$ grams
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Features Dynamic stabilizer with installation kit, screwdriver, and stylus cleaning brush

Models also available

Realistic/Shure R 1000 EDT, \$39.95; Realistic/Shure R 47 EDT, \$27.95

REGA RESEARCH LTD.
Import Audio Ltd.
13430 Clayton Road
St. Louis, Mo. 63131

Rega

Price \$90
Type Moving magnet
Track. force 1 to 2 grams (recommended 1.75)
Features User-replaceable stylus (\$60); very uncritical as to arm type or mass

SATIN
Osawa & Co. (USA), Inc.
521 Fifth Ave.
New York, N.Y. 10017

117S



Price \$249.95
Weight 9.2 grams
Type Moving coil
Stylus Nude elliptical; 0.2×0.9 mil
Track. force 1 to 2 grams
Output 2.5 mV (5 cm/sec at 1 kHz)
Response 15 Hz to 30 kHz
Separation 30 dB (1 kHz)
Recom. load 47K ohms
Features User-replaceable stylus; no transformer or pre-preamplifier needed

117-Z

Price \$99.95
Stylus Bonded conical; 0.5 mil
Track. force 1 to 2.2 grams
Output 3.0 mV (5 cm/sec at 1 kHz)
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)

Recom. load 47K ohms
Features User-replaceable stylus; no transformer or pre-amplifier needed

Models also available

M-117G, \$179.95; 117-ZE,
 \$129.95

SHURE

Shure Bros. Inc.
 222 Hartrey Ave.
 Evanston, Ill. 60204

V15 Type IV

Price \$165
Weight 6.4 grams
Type Moving magnet
Stylus Hyperelliptical
Track. force 0.75 to 1.25 gram
Output 4 mV at 5 cm/sec peak velocity at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz); 15 dB (10 kHz)
Recom. load 47K ohms; 250 pF
Features Viscous-damped dynamic stabilizer; totally new computer-designed moving system; trackability (cm/sec peak velocity) at 1 gram: 29 at 400 Hz, 42 at 1 kHz, 37 at 10 kHz

V15 Type III



Price \$103
Weight 6.3 grams
Type Moving magnet
Stylus Biradial elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.25 gram
Output 3.5 mV at 5 cm/sec peak velocity at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB (1 kHz); 15 dB (10 kHz)
Recom. load 47K ohms; 450 pF
Features Trackability (cm/sec peak velocity) at 1 gram: 26 at 400 Hz, 38 at 1 kHz, 26 at 10 kHz

M-97EJ

Price \$88
Weight 6.4 grams
Type Moving magnet
Stylus Biradial elliptical; 0.4 x 0.7 mil
Track. force 1.5 to 3 grams
Output 4 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Recom. load 47K ohms; 250 pF
Features Viscous-damped dynamic stabilizer; Side-Guard stylus deflector; telescoped shank; trackability (cm/sec peak velocity) at 2 grams: 30 at 400 Hz, 41 at 1 kHz, 34 at 10 kHz

M-75ED Type 2

Price \$72.95
Weight 6.2 grams
Type Moving magnet
Stylus Biradial elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.5 gram
Output 5 mV at 5 cm/sec peak velocity at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Recom. load 47K ohms; 450 pF
Features Trackability (cm/sec peak velocity) at 1 gram: 22 at 400 Hz, 33 at 1 kHz, 19 at 10 kHz

M-91GD

Price \$61.50
Weight 5.8 grams
Type Moving magnet
Stylus Spherical; 0.6 mil
Track. force 0.75 to 1.5 gram
Output 5 mV at 5 cm/sec peak velocity at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB at 1 kHz
Recom. load 47K ohms; 450 pF
Features Trackability (cm/sec peak velocity) at 1 gram: 22 at 400 Hz, 33 at 1 kHz, 19 at 10 kHz

M97HE

Price \$112
Weight 6.4 grams
Type Moving magnet
Stylus Hyperelliptical
Track. force 0.75 to 1.5 gram
Output 4 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB at 1 kHz
Recom. load 47K ohms; 250 pF
Features Viscous-damped dynamic stabilizer; Side-Guard stylus deflector; telescoped shank; trackability (cm/sec peak velocity) at 1 gram: 24 at 400 Hz, 35 at 1 kHz, 25 at 10 kHz

SC-39B

Price \$60
Weight 6.3 grams
Type Moving magnet
Stylus Spherical; 0.7 mil
Track. force 1.5 to 3 grams
Output 4 mV at 5 cm/sec peak velocity at 1 kHz
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Recom. load 47K ohms; 250 pF
Features Professional studio/broadcast cartridge; Masar[®] tip; Side-Guard stylus deflector; trackability (cm/sec peak velocity) at 2 grams: 30 at 400 Hz, 40 at 1 kHz, 35 at 10 kHz

M-70EJ

Price \$48.95
Weight 5.8 grams
Type Moving magnet
Stylus Biradial elliptical; 0.4 x 0.7 mil
Track. force 1.5 to 3 grams
Output 6.2 mV at 5 cm/sec peak velocity at 1 kHz
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Recom. load 47K ohms; 450 pF
Features Trackability (cm/sec peak velocity) at 2 grams: 19 at 400 Hz, 26 at 1 kHz, 12 at 10 kHz

M-44G

Price \$34.95
Weight 6.5 grams
Type Moving magnet
Stylus Spherical; 0.6 mil
Track. force 0.75 to 1.5 gram
Output 6.2 mV at 5 cm/sec peak velocity at 1 kHz
Response 20 Hz to 20 kHz
Separation 20 dB (1 kHz)
Recom. load 47K ohms; 450 pF

Models also available

V15 IV-G, \$159; M-97HE-AH, \$120; SC39ED, \$100; M95HE, \$97.50; V15 Type III-G, \$96.75; M24H, \$96.50; M97GD, \$88; M95ED, \$84.50; M97B, \$81; M91ED, \$72.95; SC39EJ, \$70; M95EJ, \$67.50; M91E, \$66.95; M75EJ Type 2, \$61.50; M93E, \$55.95; M75G Type 2, \$54.50; M72EJ, \$51; M75B Type 2, \$48.95; M72B, \$45.70; M75ECS, \$44.50; M55E, \$45.95; M75-6S, \$41.95;

M44E, \$39.95; M44-7, \$34.95; M75CS, \$32.95; M44C, \$32.50; SC35C, \$30.25; M3D, \$25.95

SIGNET

Signet Co.
 4701 Hudson Drive
 Stow, Ohio 44224

Mk-112E

Price \$325
Weight 15 grams
Type Moving coil
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 1 to 2 grams
Output 0.4 mV at 0.7 cm/sec at 1 kHz
Response 5 Hz to 50 kHz
Separation 30 dB (1 kHz) (or from 20 Hz to 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 100 pF
Features Integrated headshell version of Mk-111E; attaches directly to most Japanese and European tonearms; calibrated overhang adjustable from 47 to 55mm; accessory Mk-10T (\$95) or Mk-12T (\$300) matching transformer available for use with magnetic phono inputs

TK-9E



Price \$275
Weight 7.5 grams
Type Dual moving magnet
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.5 gram
Output 2.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz
Separation 35 dB (1 kHz) (or 25 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 270 pF
Features Toroidal coils; user-replaceable stylus; Beryllium cantilever

TK-7SU

Price \$190
Weight 6.8 grams
Type Dual moving magnet
Stylus Shibata
Track. force 0.75 to 1.75 gram
Output 2.7 mV at 5 cm/sec at 1 kHz
Response 5 Hz to 45 kHz
Separation 30 dB at 1 kHz (or 23 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 270 pF
Features Patented dual-magnet micro-mass moving system; miniaturized diamond; micro-mass tapered tube cantilever; 14 accessory styli permit experimentation with combination of boron, beryllium, titanium, carbon-fiber and aluminum cantilevers; spherical, elliptical, and Shibata tips in all TK Series cartridges

TK-5E

Price \$100
Weight 6.8 grams
Type Dual moving magnet
Stylus Elliptical; 0.2 x 0.7 mil
Track. force 0.75 to 1.75 gram
Output 4.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 30 kHz
Separation 25 dB (1 kHz) (or 20 dB at 10 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 270 pF
Features Fourteen accessory styli permit experimentation with combination of boron, beryllium, titanium, carbon-fiber, and aluminum cantilevers

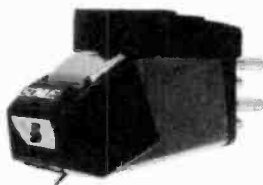
Models also available

Mk-111E, \$300; TK-9LC, \$295; TK-7E, \$170; TK-3E, \$60; TK-1E/H, \$45; TK-1E, \$40

SONUS

Sonic Research, Inc.
27 Sugar Hollow Road
Danbury, Conn. 06810

Dimension 5



Price \$250
Weight 5.5 grams
Type Moving iron
Stylus Lambda (cutting stylus shape)
Track. force 1 to 1.5 gram
Compliance 50×10^{-6} cm/dyne lateral; 50×10^{-6} cm/dyne vertical
Output 0.8 mV/cm/sec
Response 10 Hz to 16 kHz, ± 1 dB; 16 kHz to 20 kHz, +2, -1 dB; 20 kHz to 40 kHz, ± 3 dB
Separation 30 dB (1 kHz), 20 dB, 20 Hz to 20 kHz
Vert. angle 20 degrees (nominal)
Recom. load 47K ohms; 400 pF (max)
Features integrated cantilever; unipivot suspension; micro-machined armature

Green Cartridge Series II Gold

Price \$155
Weight 5.5 grams
Type Moving Iron
Stylus Spherical
Track. force 1 to 1.5 grams
Compliance 50×10^{-6} lateral; 50×10^{-6} vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 5 Hz to 20 kHz, +2, -1 dB
Separation 30 dB (1 kHz); 20 dB, 20 Hz to 20 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF (max)
Features Special calibration available upon request

Black A

Price \$80
Weight 5.5 grams
Type Moving Iron
Stylus Elliptical
Track. force 1.5 to 2 grams
Compliance 30×10^{-6} cms/dyne lateral; 30×10^{-6} cms/dyne vertical
Output 1.0 mV/cm/sec
Response 10 Hz to 10 kHz, ± 1 dB; 10 kHz to 20 kHz, +2, -1 dB
Separation 25 dB (1 kHz); 20 dB, 20 Hz to 20 kHz
Vert. angle 20 degrees
Recom. load 47K ohms; 400 pF (max)
Features Unipivot suspension

Models also available

Blue Cartridge Series II Gold, \$165; Red Cartridge Series II Gold, \$160; "P" Cartridge Series II Silver, \$100; "E" Cartridge Series II Silver, \$95; Black C, \$70; Bronze, \$130

SONY

Sony Industries
9 W. 57th St.
New York, N.Y. 10019

XL-55 Pro

Price \$300
Weight 22 grams
Type Moving coil
Stylus Elliptical; 0.3 x 0.8 mil
Track. force 1.5 to 2.5 grams
Compliance 15×10^{-6} cm/dyne vertical
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 50 kHz
Separation 30 dB at 1 kHz
Recom. load 40K ohms
Features Sony figure-8 coil; air core; composite-construction cantilever (aluminum, beryllium, and carbon fiber); magnesium integrated headshell; tracks 1812 in blotracer

VL-7



Price \$80
Weight 4.9 grams
Type Moving magnet
Stylus Elliptical; 3 x 8 mils
Track. force 1 to 2 grams
Compliance 15×10^{-6} cm/dyne vertical
Output 3.5 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 25 kHz
Separation 25 dB at 1 kHz
Recom. load 50 to 100K ohms
Features Special cantilever construction of carbon-fiber and tempered aluminum to dissipate high-frequency resonance

Models also available

XL-44L, \$180; XL-33, \$100; VL-5, \$40

STANTON

Stanton Magnetics, Inc.
Terminal Drive
Plainview, N.Y. 11803

980LZS

Price \$250
Weight 5.5 grams
Type Low impedance
Stylus Stereohedron; 0.3 x 2.8 mils
Track. force 0.5 to 1.5 grams
Output 0.06 mV
Response 10 Hz to 50 kHz
Separation 35 dB (1 kHz)
Recom. load 100 ohms; up to 1,000 pF
Features Customer-replaceable stylus; high-compliance stylus; low dynamic tip mass; 10 μ s rise time

881S



Price \$170
Weight 5.7 grams
Type Moving magnet
Stylus Stereohedron; 0.3 x 2.8 mils
Track. force 0.75 to 1.25 gram
Output 0.9 mV at 1 cm/sec at 1 kHz
Response 10 Hz to 20 kHz, ± 1.5 dB (individually calibrated)
Separation 35 dB (1 kHz)
Recom. load 47K ohms; 275 pF

681SE

Price \$87.50
Weight 5.5 grams
Type Moving iron
Stylus Elliptical; 0.4 x 0.7 mil
Track. force 2 to 4 grams
Output 1.1 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 20 kHz (individually calibrated)
Separation 35 dB (1 kHz)
Recom. load 47K ohms; 275 pF

500EE

Price \$42.50
Type Moving magnet
Stylus Elliptical; 0.3 x 0.7 mil
Track. force 1 to 2 grams
Output 1 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ± 3 dB
Separation 35 dB (1 kHz)
Recom. load 47K ohms; 275 pF

Models also available

881E, \$150; 880S, \$140; 681EEE (S Type), \$125; 880E, \$120; 681EEE, \$105; 680-SL, \$98.50; 681EE, \$87.50; 681A, \$80; 780/Q, \$75; 600E, \$56.50; 600A, \$51.50; 500AA, \$36.75; 500E, \$36.75; 500A, \$36.75; 500AL, \$31.50

STAX

Stax Koygo, Inc.
940 E. Dominguez St.
Carson, Calif. 90746

CT-Y/2

Price \$560
Weight 16 grams
Type Electrostatic
Stylus 0.8 x 0.3mm (elliptical diamond)
Track. force 1 gram
Compliance Vertical (10×10^{-6} cm/dyne)
Output 300 mV
Response 10 Hz to 30 kHz
Separation 20 dB
Features Condenser cartridge powered by electret

SUPEX

Sumiko, Inc.
Box 5046
Berkeley, Calif. 94705

SDX-1000

Price \$500
Type Moving coil
Stylus Vital; 0.3 x 0.7 mil
Track. force 1.5 to 2 grams
Compliance 9×10^{-6} lateral; 9×10^{-6} vertical
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 45 kHz, ± 2 dB
Separation 30 dB at 1 kHz
Vert. angle 20 degrees
Features Silver-clad copper coil wires; bimorphic temperature-compensating damper; 50% reduced diamond mass

SD-900/E+ Improved Super Cartridge

Price \$225
Type Moving coil
Stylus Vital; 0.3 x 0.7 mil
Track. force 1.2 to 1.7 grams
Compliance 20 x 10⁻⁶ cm/dyne lateral; 20 x 10⁻⁶ cm/dyne vertical
Output 0.2 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 50 kHz, ±3 dB
Separation 30 dB (1 kHz)
Vert. angle 20 degrees
Features Requires step-up transformer

SM-100/Mk. II

Price \$70
Type Moving magnet
Stylus Elliptical; 0.3 x 0.8 mil
Track. force 1 to 2 grams
Compliance 25 x 10⁻⁶ cm/dyne lateral; 20 x 10⁻⁶ cm/dyne vertical
Output 2.5 mV at 5 cm/sec at 1 kHz
Response 18 Hz to 22 kHz, ±2 dB
Separation 32 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 47K ohms; 300 pF

Models also available

SD-900/Mk. II, \$350; SD-901/E+ Super, \$175; SM-100/Mk. III, \$90

TECTRON

Alpha Group, Inc.
7321 Victoria Park Ave., Unit 2
Markham, Ontario L3R 2Z8

TC-10

Price \$199.95
Weight 8.5 grams
Type Moving coil
Stylus 0.3 x 0.8 mil 0.15 Solid Diamond
Track. force 1.5, ± 0.2g
Compliance 15 lateral; 10⁻⁶ vertical
Output 0.2 mV at 5cm/sec at 1 kHz
Response 10 Hz to 50 kHz
Separation 25 dB (1 kHz)
Vert. angle 45 degrees
Features Pre-mounted on headshell; stylus cleaner fluid included; 5-year exchange on cartridge body

T-211E

Price \$99.95
Weight 6.2 grams
Type Moving magnet
Stylus 0.3 x 0.7 mil
Track. force 1.5 to 2.5 grams
Compliance 12 lateral; 10⁻⁶ vertical
Output 4 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz
Separation 25 dB (1 kHz)
Features Premounted on headshell; stylus cleaner fluid included; 5-year exchange on cartridge body

T-812H

Price N/A
Weight 6 grams
Type Moving magnet
Stylus 0.5 mil
Track. force 2 to 3.5 grams
Compliance 10 lateral; 10⁻⁶ vertical
Output 10 mV at 5 cm/sec at 1 kHz
Response 20 Hz to 20 kHz

Separation 23 dB (1 kHz)
Features Premounted on headshell; stylus cleaner fluid included; 5-year exchange on cartridge body

Models also available

T-71255, \$179.95; T-712E, \$139.95; T-211S, \$84.95; T-812C, N/A; T-812E, N/A; T-712S, N/A; T-712H, N/A; T-512E, N/A; T-512S, N/A; T-512SS, N/A

THORENS

Epicure Products, Inc.
25 Hale St.
Newburyport, Mass. 01950

TMC-63, TMC-70

Price \$465
Type Moving coil
Stylus Fine line; 0.3 mil
Track. force 2 to 3 grams
Compliance 12 x 10⁻⁶ cm/dyne lateral; 12 x 10⁻⁶ cm/dyne vertical
Output 0.25 mV at 1 cm/sec at 1 kHz
Response 20 Hz to 20 kHz, ±2 dB
Separation 25 dB (1 kHz)
Vert. angle 20 degrees
Recom. load 22 ohms
Features The TMC-63 is mounted in Thorens plug-in arm for TD-126 Mk. III; TMC-70 is mounted in Thorens plug-in arm for TD-110, TD-115

Models also available

TPO-63, TPO-70, \$175

YAMAHA

Yamaha International Corp.
P.O. Box 6600
Buena Park, Calif. 90620

MC-7



Price \$120
Weight 5.7 grams
Type Moving coil
Stylus Elliptical
Track. force 1.2 to 1.8 grams
Compliance 35 x 10⁻⁶ to cm/dyne lateral; 15 x 10⁻⁶ cm/dyne vertical
Output 0.3 mV at 5 cm/sec at 1 kHz
Response 10 Hz to 20 kHz
Separation 28 dB (1 kHz); 20 dB, 20 Hz to 20 kHz
Vert. angle 20 degrees
Recom. load 100 ohms
Features Sendust-core armature

Models also available

MC-1X, \$270 (unmounted); MC-1S, \$220

Turntables

ADC

BSR (USA) Ltd.
Route 303
Blauvelt, N.Y. 10913

Accutrac 3500RVC*

Price \$400
Dimensions 6¾H x 17¾W x 16D
Weight 16 lbs. 8 oz. (net)
Type Changer
Speeds 33; 45
Speed adj. ±3%
Motor type 24-pole, 300-rpm synchronous AC
Drive type Belt
Rumble -66 dB (DIN B)
Wow/flutter 0.4% (WRMS)
Cueing Yes
Track. force 0 to 4 grams
Antiskating 0 to 4 grams
Resonance 10 to 12 Hz (with ADC LMA-3 cartridge)
Headshell Fixed
Features Computerized memory bank for electronic track selection (6 records); wireless remote control including volume; Accuglide® transport system

3001



Price \$249.95 (tonearm not included)
Dimensions 3H x 18¾W x 14¼D
Weight 22 lbs. (net)
Type Manual
Speeds 33 1/3; 45
Speed adj. ±5% (with strobe)
Motor type Electronically-controlled brushless motor DC
Drive type Direct
Rumble -70 dB (DIN B)
Wow/flutter 0.03% (DIN-weighted)
Features Universal tonearm mounting capability; 3 lbs. 2 oz. dynamically balanced die-cast aluminum platter

Models also available

1700DD, \$280; 1600DD, \$230; 1510FG, 190

AIWA

Aiwa America
350 Oxford Drive
Moonachie, N.J. 07074

LP-3000

Price \$1,000