

# S U M I K O

## Moving Coil Cartridges

### PALO SANTOS PRESENTATION

Featuring a generator-anchoring system that substantially improves rigidity, resonance and background noise are reduced to unheard-of levels. The boron cantilever and Micro-Ridge stylus enable stunning acoustic resolution.

Type: Moving Coil  
Frequency Response: 10Hz–50kHz  
Output Voltage: 0.5mV  
Load Impedance: 100–1000 ohms  
Channel Separation: >30dB (1kHz)  
Channel Balance: <0.5dB (1kHz)  
Stylus Type: Nude Micro-Ridge  
Compliance:  $8 \times 10^{-6}$  cm/dyne  
Tracking Force Range: 1.8–2.0g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 8.3g



### CELEBRATION 40

Now in plum wood, Celebration 40 commemorates our 40<sup>th</sup> anniversary with its new Micro-Ridge stylus and boron cantilever, elevating sonic performance to a level that approaches our flagship Palo Santos Presentation.

Type: Moving Coil  
Frequency Response: 10Hz–50kHz  
Output Voltage: 0.5mV  
Load Impedance: 100–1000 ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: Nude Micro-Ridge  
Compliance:  $12 \times 10^{-6}$  cm/dyne  
Tracking Force Range: 1.8–2.0g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 7.0g



### STARLING

The latest apex of our open-architecture design builds on the strengths of Songbird. With the addition of a long-grain boron cantilever and Micro-Ridge stylus, Starling offers improvements in detail, resolution and dynamic range.

Type: Moving Coil  
Frequency Response: 12Hz–50kHz  
Output Voltage: 0.5mV  
Load Impedance: >100 ohms  
Channel Separation: 35dB (1kHz)  
Channel Balance: <0.5dB (1kHz)  
Stylus Type: Nude Micro-Ridge  
Compliance:  $12 \times 10^{-6}$  cm/dyne  
Tracking Force Range: 1.8–2.0g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 9.5g



## Moving Coil (cont.)

### SONGBIRD HIGH OUTPUT

Exceptional performance is achieved by the open-architecture design with rigid generator-anchoring, which prevents the buildup of external and internal resonance that create distortion that's common among closed-body designs.

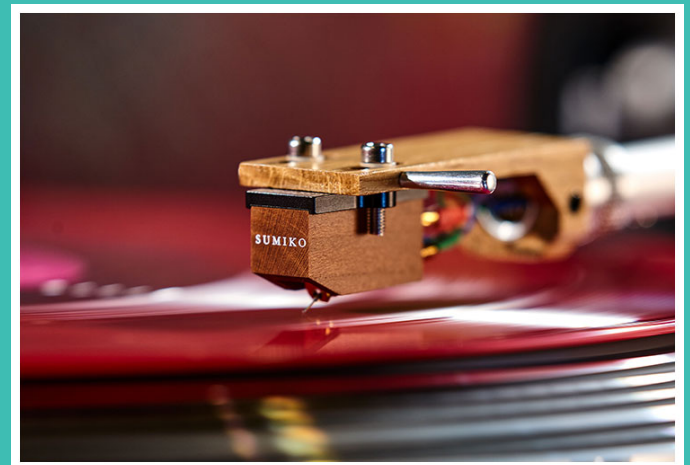
Type: Moving Coil  
Frequency Response: 12Hz–40kHz  
Output Voltage: 2.5mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: <0.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance:  $12 \times 10^{-6}$  cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 8.5g



### SONGBIRD LOW OUTPUT

The low output variant of Songbird delivers the same voicing as its high output counterpart but with added depth and dimension plus the texture and nuance that make low output moving coils so convincing.

Type: Moving Coil  
Frequency Response: 12Hz–40kHz  
Output Voltage: 0.5mV  
Load Impedance: >100 ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: <0.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance:  $12 \times 10^{-6}$  cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 8.5g



# S U M I K O

## Moving Coil (cont.)

### BLUE POINT NO. 3 HIGH OUTPUT

The sonics of Blue Point No. 3 harken back to vintage cartridges remembered for their smoothness. With our tried-and-true MC generator system, those sonics come with the subtlety and nuance you'd expect from a Sumiko MC.

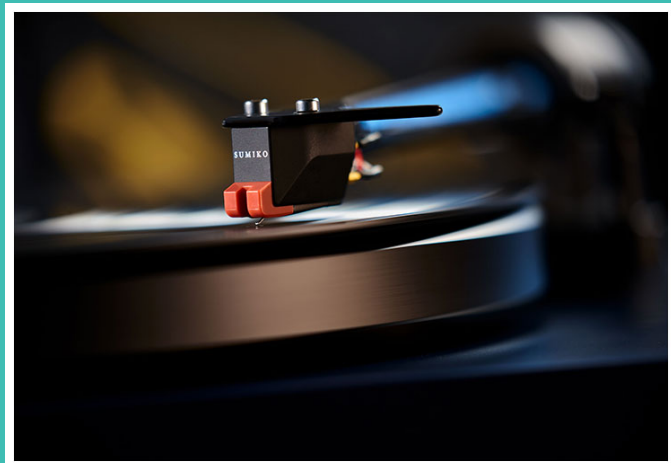
Type: Moving Coil  
Frequency Response: 13Hz–35kHz  
Output Voltage: 2.5mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: <1.0dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.0g



### BLUE POINT NO. 3 LOW OUTPUT

The low output sister of the above is capable of heightened realism and improved imaging while maintaining the ease-of-listening we so love about this decades-old cartridge design, now perfected in our Blue Point No. 3.

Type: Moving Coil  
Frequency Response: 13Hz–35kHz  
Output Voltage: 0.5mV  
Load Impedance: >100 ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: <1.0dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.0g



## Moving Magnet – Rainier Series

### AMETHYST

Easily our most ambitious moving magnet cartridge to date, Amethyst features a nude line-contact stylus and an upgraded generator assembly providing ultra-low noise, breathtaking dynamics and exceptional trackability.

Type: Moving Magnet  
Frequency Response: 12Hz–35kHz  
Output Voltage: 2.5mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: Nude Line-Contact  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.5g



### WELLFLEET

Implementing a nude elliptical diamond on Moonstone's already-adept cantilever, Wellfleet brings the musical material closer to the listener by deepening the soundstage and eliciting the space around vocals & instruments.

Type: Moving Magnet  
Frequency Response: 12Hz–33kHz  
Output Voltage: 3.0mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: Nude Elliptical  
Compliance: 13 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.5g



### MOONSTONE

An outstanding tracker with convincing dynamics that are normally only found in much more expensive cartridges, Moonstone delivers excellent tonal balance and a coherent soundstage making it perfect choice for any music lover.

Type: Moving Magnet  
Frequency Response: 12Hz–33kHz  
Output Voltage: 3.0mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.5g



# S U M I K O

## Rainier Series (cont.)

### OLYMPIA

Utilizing a lower-mass cantilever, Olympia improves on the Rainier in every aspect. Yielding more dynamic punch and a wider frequency response, it's a simple and meaningful upgrade when starting at Rainier.

Type: Moving Magnet  
Frequency Response: 12Hz–30kHz  
Output Voltage: 4.0mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 1.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.5g



### RAINIER

Rainier continues Pearl's legacy of smooth, natural sound reproduction. An integrated body and generator system improves performance all around and offers the option to upgrade the stylus to Olympia, Moonstone or Wellfleet.

Type: Moving Magnet  
Frequency Response: 15Hz–25kHz  
Output Voltage: 5.0mV  
Load Impedance: 47k ohms  
Channel Separation: 25dB (1kHz)  
Channel Balance: 1.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 10 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.8–2.2g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.5g



### RS78 STYLUS

Compatible with the entire Rainier Series of cartridges, RS78 makes the whole lineup more versatile still. A 3mil stylus tracks the grooves of 78rpm discs with grace and delivers sonics with voicing akin to that of Rainier.

Frequency Response: 15Hz–25kHz  
Output Voltage: 4.0mV  
Channel Separation: 25dB (1kHz)  
Channel Balance: 1.5dB (1kHz)  
Stylus Type: 3.0mil Spherical  
Compliance: 10 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 4–5.5g  
Tracking Force (Rec.): 5.0g



## Moving Magnet – Classics

### PEARL

For decades our Pearl has been a day-maker for critical listeners looking for a cartridge that's both non-fatiguing and high-fidelity. Heralded for its smoothness, Pearl will also surprise you with its dynamic-handling and detail retrieval.

Type: Moving Magnet  
Frequency Response: 12Hz–30kHz  
Output Voltage: 4.0mV  
Load Impedance: 47k ohms  
Channel Separation: 30dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: 0.3 x 0.7mil Elliptical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.5–2.0g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.0g



### BLACK PEARL

Sharing the generating mechanism that has made Pearl famous, Black Pearl is an even-handed transducer that's a joy to listen to for hours on end while conveying a degree musical information that few of its peers can touch.

Type: Moving Magnet  
Frequency Response: 18Hz–27kHz  
Output Voltage: 4.0mV  
Load Impedance: 47k ohms  
Channel Separation: 28dB (1kHz)  
Channel Balance: 0.5dB (1kHz)  
Stylus Type: 0.7mil Spherical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.5–2.0g  
Tracking Force (Rec.): 2.0g  
Cartridge Mass: 6.0g



### OYSTER

Generally smooth with just the right amount of heft on the bottom end, Oyster tracks with authority and reproduces music with homogeneity that's free of hard sonic edges.

Type: Moving Magnet  
Frequency Response: 30Hz–20kHz  
Output Voltage: 5.0mV  
Load Impedance: 47k ohms  
Channel Separation: 25dB (1kHz)  
Channel Balance: 1.0dB (1kHz)  
Stylus Type: 0.7mil Spherical  
Compliance: 12 x 10<sup>-6</sup> cm/dyne  
Tracking Force Range: 1.5–2.5g  
Tracking Force (Rec.): 2.3g  
Cartridge Mass: 5.3g

