

Comparison of the Garrett Ace Apex, Minelab Vanquish 540, & Nokta Makro Simplex+

by: Wolf-Dog on Friendly Metal Detecting Forum

	Garrett Ace Apex	Minelab Vanquish 540	Nokta Makro Simplex+
Single Frequency Options	5, 10, 15 and 20 kHz	None	12 kHz
Multi-Frequency Options	Simultaneous Multi-Freq. and Multi-Salt	Simultaneous Multi-Freq.	None
U.S. Coins Display	Yes	No	No
Wireless Technology	Yes – Z-Lynk	Yes – Bluetooth	Yes – Nokta's Wireless Technology
Slim Control Box	Yes	No	Yes
Fast Target Separation	Yes	Yes	Yes
Headphone Jack	Yes – 1/8 in.	Yes – 1/8 in.	Yes – Waterproof
Screen Backlight	Yes – Blue	Yes – Red	Yes – White
Flashlight	No	No	Yes
Vibrate	No	No	Yes
Iron Audio	Yes	No	No
Iron Volume Control	Yes	No	Yes
Iron Discrimination Segments	8	5	?
Search Modes	6: International Coins, U.S. Coins, Jewelry, Relics, All metal, and Custom	5: Coins, Relics, Jewelry, Custom, and All Metal modes	5: Field, Park 1, Park 2, Beach, and All Metal
Audio Tones	5 (hybrid binary and proportional audio system)	5	3
Volume Adjustment	Yes	Yes	Yes
Notch Discrimination	20	25	?
Digital Target ID	0-99	-9 to 40	0-99
Sensitivity/ Depth Adjustments	8	10	6
Ground Balance, Auto/Manual	Auto, High Resolution, 175 pts	Auto	Auto
Pinpoint	Yes	Yes	Yes
Waterproof coil/stem	Yes	Yes	Yes
Rainproof control box	Yes	Yes	Yes
Completely Submersible	No	No	Yes – 10 ft.
Online Updates	No	Yes	Yes
Target Depth Indicator	5 segments	5 segments	5 segments
Standard Searchcoil	6" x 11" DD Viper	V12 12"x9" Double-D	11" SP28 Double-D
Length (Adjustable)	43" to 56"	30" to 57"	25" to ???
Total Weight	2.5 lbs (1.13 kgs)	2.9lbs (1.3kg)	2.9lbs (1.3kg)
Power Source	Internal Rechargeable Lithium Ion Battery	4 AA Batteries (Rechargeables included)	Internal Rechargeable Lithium Polymer Battery
Battery Condition Indicator	Yes – 4 segments	Yes – 3 segments	Yes – 5 segments
Warranty	2 Years, Limited Parts/Labor	3 years control box and coil only	2 Years