

PARAMETERS & FEATURES	Z-100 Ultra ¹	Z-11Pro Ultra ¹	AT-897	AT-100Pro	AT-200Pro	AT-7000
List Price (ask for Hamvention Price)	\$165	\$179	\$199	\$219	\$249	\$170
Power Range [W]	0.1-125	0.1-125	0.1-100	1-125	5-250	0.1-125
6 meters (max) [W]	50	100	100	100	100	100
Good for QRP?	Yes	Yes	Yes	Yes	No	Yes
Good for Backpacking/Portable?	Yes	Yes	Yes	No	No	No
Good for Mobile?	No	Yes	Yes	Yes	No	Yes
Tuning Range [Ω]	6-800	6-1000	6-800	6-1000	6-1000	4-800
Display						
SWR	1 LED (shows 3 levels)	3 LEDs (shows 5 levels)	No	LED Bargraph	LED Bargraph	No
RF Power	No	No	No	LED Bargraph	LED Bargraph	No
Latching Relays	Yes	Yes	Yes	Yes	No	Yes
Manual Adj. of L&C	No	Yes	No	Yes	Yes	No
Antenna Ports	1	1	1	2	2	1
Antennas Selectable per Port	1	4	1	1	4	1
Total Antennas Selectable	1	4	1	2	8	1
Memory Size (data sets)	200	8,000	200	4,200	16,000	2,000
# of banks	1	4	1	2	8	1
Automation	LIFO ²	Freq Meas. ³	LIFO ²	Freq Meas. ³	Freq Meas. ³	Freq Meas. ³
Tuning						
Full Tune [s]	0.5-6 (3 ave)	0.1-6	0.5-6 (3 ave)	0.1-6	0.5-8	0.1-6
Memory Tune [s]	0.1-0.5	< 0.1	0.1-0.5	< 0.1	< 0.1	< 0.1
Semi (press button to tune)	Yes	Yes	Yes	Yes	Yes	No
Automatic	No	Yes	No	Yes	Yes	No
User Auto Threshold Set	N/A	Yes (5 levels)	N/A	Yes	Yes	No
Internal Battery Standard?	Yes	Yes	N/A	N/A	N/A	N/A
External DC Input Voltage [V]	8-18	8-18	8-18	8-18	11-16	From Radio
Current Draw after Tune	< 25 μA	< 25 μA	< 25 μA	< 8 mA	< 1.0 A	< 8 mA
Power OFF-ON Switch?	No	No	No	No	Yes	No
Weight [lbs]	1.4 (0.9 w/o batteries)	1.9 (1.5 w/o batteries)	2	1.5	2	1

¹ Ultra versions include a built-in battery pack with batteries installed. Thousands of tunes typical before battery change is needed. Can also use power jack on autotuner without removing batteries.

² LIFO = last tuning L-C pair is checked first on next tuning, then the next most recent, etc. until the SWR is below 1.5:1; if the memory becomes exhausted, then the tuner does a full tuning cycle and stores the L-C values determined.

³ Freq. Meas. = automatically storing of tuning L-C values for each frequency and band as you use them, for each of four antennas on each RF port. Whenever you transmit on or near a frequency you've used before, the autotuner retunes from memory almost instantly (even in SSB!). Memories are retained indefinitely.