

Comparison: Elecraft K3S/100, ICOM IC-7300

<i>Performance</i>	K3S	IC-7300
Sherwood receiver ranking (www.sherweng.com)	#2	#12
Receiver 3 rd order dynamic range (2 kHz)	106 dB	94/81 dB (<i>IP+</i> on/off)
Receiver blocking/desense dynamic range (100 kHz)	150 dB	123 dB
Transmit phase noise (@10 kHz; 100 W/30 W)	-141/-132 dBc	-130/-112 dBc
Lowest usable supply voltage (approx.)	10 V	11.7 V

<i>Features</i> (*with applicable option)	K3S	IC-7300
GENERAL		
ATU* matching range	Over 10:1	3:1
144 MHz or 70 MHz all-mode coverage	144 MHz*	70 MHz
Antenna jacks	2 (with ATU*)	1
Built-in data modes (no computer required)	PSK31/63, RTTY	RTTY
Memories	150+	101
Programmable function/message switches	10	0
Dedicated knobs for VFO B, RIT/XIT offset, RF gain,	✓	
Front panel switch functions, total	74	27 (est.)
RX antenna in/out jacks; transverter in/out jacks	✓	
PANADAPTER		
Portion of display* dedicated to spectrum/waterfall	7.7 sq. in.	2.5 sq. in. (est.)
External video monitor and keyboard jacks*	✓	
Touch screen type	N/A	Resistive
RECEIVER		
Narrowband ADC protection (roofing filters)	Xtal Filter, 0.2-13 kHz	None (BPF only**)
Sub receiver*	✓	
Front- and rear-panel headphone jacks	✓	
Scanning	✓	✓
Synchronous AM detection	✓	
External speaker outputs	2	1
8-band RX EQ	✓	
TRANSMITTER		
T/R switching method	PIN Diode (Silent)	Relay
ESSB mode	✓	
8-band TX EQ	✓	
Transmit inhibit input	✓	
Front- and rear-panel mic jacks	✓	
CW keying with mic up/down buttons		✓

** Without roofing filters, strong signals anywhere inside the band-pass filter (est. 0.5-4 MHz) can cause ADC overrange.