Options

KMC-30
Microphone
(supplied microphone

KMC-32
16-Key Keypad
Microphone

KES-3
External Speaker

KLF-2
Line Noise Filter

KPS-10A
DC Power Supply

KMB-10
Key Lock Adapter

All accessories and options may not be available in all markets. Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

Specifications

Model	TK-7102H	TK-8102H
GENERAL		
Frequency Range		
Type 1	146-174 MHz	450-490 MHz
Type 2	136-162 MHz	485-512 MHz
Type 3	—	400-430 MHz
Number of Channels	4	
Channel Spacing		
Wide	25 kHz	
Narrow	12.5 kHz	
Channel Step	2.5 kHz / 5 kHz 6.25 kHz / 7.5 kHz	5 kHz / 6.25 kHz
Operating Voltage	13.6V DC±15%	
Current Drain		
Standby	0.4 A	
Receive	1.0 A	
Transmit (High Power)	14.0 A	
Operating Temperature Range	-30°C ~ +60°C	
Frequency Stability (-30°C ~ +60°C)	±2.5ppm	
Antenna Impedance	50 Ω	
Channel Frequency Spread		
Type 1	28 MHz	40 MHz
Type 2	26 MHz	27 MHz
Type 3	—	30 MHz
Dimensions (W x H x D)	6.29" x 1.69" x 5.39" (160 mm x 43 mm x 137 mm)	
weight (net) (body only, approx.)	2.6 lbs (1.18 kg)	
RECEIVER (Measurements made per EIA/TIA-603)		
Sensitivity (12dB SINAD)		
Wide	0.28 µV	
Narrow	0.35 µV	
Selectivity		
Wide	75 dB	
Narrow	60 dB	
Intermodulation Distortion		
Wide	70 dB	
Narrow	60 dB	
Spurious Response	75 dB	
Audio Output	(4W at 4 Ω) with less than 5% distortion)	
TRANSMITTER (Measurements made per EIA/TIA-603)		
RF Output Power	50 W	45 W
Spurious Response (High Power)	70 dB	
Modulation		
Wide	16KØF3E	
Narrow	11KØF3E	
FM Hum & Noise		
Wide	45 dB	
Narrow	40 dB	
Audio Distortion	Less than 3%	
Microphone Impedance	600 Ω	

Kenwood reserves the right to change specifications and features without prior notice.
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Applicable MIL-STD

Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I
Humidity	507.1/Procedure II	507.2/Procedure II, III	507.3/Procedure II, III	507.4
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure VIII, X	514.3/Procedure I, Cat. 8	514.4/Procedure I, Cat. 8	514.5/Procedure I, Cat. 20
Shock	516.2/Procedure I, II, III, V	516.3/Procedure I, IV, V	516.4/Procedure I, IV, V	516.5/Procedure I, IV, V

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