

KENWOOD

TM-331A

MOBILE TRANSCEIVER

Wherever your destination, you can be sure that Kenwood's proven TM-331A single bander (220MHz) will provide dependable mobile performance.

- 25W RF power output
- Easy-to-read illuminated keys plus large LCD display
- 20 multi-function memory channels plus call channel
- Multi-scan capability
- Tone alert system with elapsed time indicator



25W RF power output

Rugged and compact, the TM-331A has an RF output of 25 watts (10W or 5W can also be selected).

Easy-to-read illuminated keys plus large LCD display

Whether at night or in direct sunlight, smooth operation is facilitated by the ergonomically designed control panel with backlit keys and a large multi-function LCD window. A dimmer controls LCD brightness to suit various lighting conditions.

20 multi-function memory channels plus call channel

For mobile convenience, the TM-331A features 20 memory channels for storing frequency, tone/CTCSS frequency, tone on/off status, and REV setting. Of those, 4 channels can store transmit and receive frequencies independently for odd split repeaters.

Multi-scan capability

The operator can choose from several scan modes: full band scan, programmable band scan, and

memory scan with programmable memory channel lock-out (to skip selected channels during scanning). There are also 2 scan stop modes: TO (time-operated) and CO (carrier-operated). In addition, the AL key activates an intermittent scan of the priority alert channel, sounding a double beep if it is busy.

Tone alert system with elapsed time indicator

When activated, this function sounds a 10-second beep and displays a bell symbol to indicate an incoming signal. With the optional TSU-6 CTCSS decoder unit installed, tone squelch operation is also possible.

- Built-in CTCSS tone encoder
- Lock function
- Auto repeater offset
- Repeater reverse switch
- Multi-function microphone supplied

Specifications

TM-331A	
GENERAL	
Frequency Range	Tx: 222 - 225 MHz Rx: 222 - 225 MHz
Mode	F3E (FM)
Power Requirement	13.8 V DC \pm 15%
Current Drain (approx.)	
Transmit (Ht, 13.8 V)	Less than 6.5 A
Receive	Less than 0.6 A
Ground	Negative
Operating Temperature Range	-20°C - +60°C
Antenna Impedance	50 Ω
Microphone Impedance	500 - 600 Ω
Ext. Speaker Impedance	8 Ω
Dimensions, W x H x D (projections not included)	5-1/2 x 1-9/16 x 6-5/16 in. (140 x 40 x 160 mm)
Weight (approx.)	2.65 lbs. (1.2 kg)
TRANSMITTER	
RF Output Power	
Ht	25 W
Md (approx.)	10 W
LQ (approx.)	5 W
Modulation	Reactance modulation
Maximum Frequency Deviation	\pm 5 kHz
Spurious Radiation	Less than -60 dB
Modulation Distortion	Less than 3% (300 - 3000 Hz)
RECEIVER	
Circuitry	Double conversion superheterodyne
Intermediate Frequency	
1st IF	30.825 MHz
2nd IF	455 kHz
Sensitivity (12 dB SINAD)	Less than 0.16 μ V
Selectivity	
-6 dB	More than 12 kHz
-60 dB	Less than 24 kHz
Squelch Sensitivity	Less than 0.1 μ V
Audio Output Power	More than 2 W (8 Ω , 5% distortion)

Kenwood follows a policy of continuous advancement in development. For this reason specifications may be changed without notice.

These specifications are guaranteed for Amateur Bands only.



ISO 9001
JQA-1205

Optional Accessories

MC-80
Desktop Microphone

MC-60A
Desktop Microphone

PS-40
DC Switching Power Supply

PG-3B
DC Line Noise Filter

PG-3G
DC Line Noise Filter

PG-2N
Power Cable

SP-41
Compact Mobile Speaker

SP-50B
Mobile Speaker

KQT-8/TSU-6
CTCSS Tone Decoder

MB-201
Mobile Mount

KENWOOD CORPORATION

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KENWOOD COMMUNICATIONS CORPORATION

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