

TECHNICAL SPECIFICATIONS

FM-800

RADIO SECTION:

MODULATION: FM, deviation of 75kHz

FREQUENCY RANGE: from 87.9 to 107.9 MHz (programmable)

FREQUENCY PRECISION: 0.0008% or better

HARMONICS REJECTION: 55 dB min., 60 dB typ.

OUTPUT POWER: 0 mWatt to 1.8Watts, programmable in increments of 50 miliWatts.

LOAD IMPEDANCE: 50 Ohms typ.

ANTENNA CONNECTOR: UHF-F (SO-239)

NOTIFICATION STANDARD: Industry Canada BETS-6 (Certification)

CONTROLS & INDICATORS: Frequency selection and readout, Power selection and readout,
Tuning lock status.

AUDIO SECTION:

MODE: mono (HI-FI)

FREQUENCY RESPONSE: 20 Hz - 20 000 Hz, @-1dB

TOTAL HARMONIC DISTORTION: 0.05% max.

SIGNAL TO NOISE RATIO: 70 dB min.

DYNAMIC RANGE: 80 dB min.

INPUT IMPEDANCE: 600 Ohms balanced (XLR), 10K Ohms unbalanced (1/4")

CONNECTORS: 2 X XLR3 and 2 X 1/4" female jacks

INPUT SENSITIVITY: balanced: 0dBm min.. unbalanced: -6 dBm min.(both inputs in use)

INDICATORS: Normal and over modulation, power.

CONTROL: input level, power switch

MISCELLANEOUS:

POWER REQUIREMENTS: 120 V, 60 Hz, 40 VA

AC PROTECTION: grounded AC plug and 500 mA slow blow, 120 V fuse

DIMENSIONS: 19" x 11" x 1.75" (48 cm x 28 cm x 4.5 cm), 1 rackmount space

WEIGHT: 12 lb (5.45kg)

DECADE Transmitters reserves the right to make changes or improvements in manufacturing or design of its products, wich may affect specifications.

TECHNICAL SPECIFICATIONS

FM-850

RADIO SECTION:

MODULATION: FM, deviation of 75kHz
FREQUENCY RANGE: from 87.9 to 107.9 MHz (programmable)
FREQUENCY PRECISION: 0.0008% or better
HARMONICS REJECTION: 55 dB min., 60 dB typ.
OUTPUT POWER: 0 mWatt to 1.8WattS, programmable in increments of 50 miliWatts.
LOAD IMPEDANCE: 50 Ohms typ.
ANTENNA CONNECTOR: UHF-F (SO-239)
NOTIFICATION STANDARD: Industry Canada BETS-6 (Certification)
CONTROLS & INDICATORS: Frequency selection and readout, Power selection and readout, Tuning lock status indicator.

AUDIO SECTION:

MODE: stereo/mono (HI-FI)(selectable)
FREQUENCY RESPONSE: 20 Hz - 15 000 Hz, @-1dB *
TOTAL HARMONIC DISTORTION: 0.05% max.
SIGNAL TO NOISE RATIO: 65 dB min.
DYNAMIC RANGE: 80 dB min.
STEREO SEPARATION: 40 dB min., 45 dB typ. **
INPUT IMPEDANCE: 600 Ohms balanced (XLR), 10K Ohms unbalanced (¼")
CONNECTORS: 2 x XLR3 and 2 x ¼"
INPUT LEVEL: balanced: -4dBm min.. unbalanced: -10 dBm min
INDICATORS: Normal and over modulation indicators , stereo and bass boost indicators
CONTROLS: input level , mono/stereo selector, bass boost selector

* Broadcast standard

** The minimum required separation for FM transmitters is 25 dB. The best receivers have a separation of 40dB, so the effective separation is more a matter of the quality of the receiver.

MISCELLANEOUS:

POWER REQUIREMENTS: 120 V, 60 Hz, 40VA
AC PROTECTION: grounded AC plug and 500 mA slow blow, 120 V fuse
DIMENSIONS: 19" x 11" x 1.75" (48 cm x 28 cm x 4.5 cm), 1 rackmount space
WEIGHT: 12 lb (5.45kg)

DECADE Transmitters reserves the right to make changes or improvements in manufacturing or design of its products, wich may affect specifications.