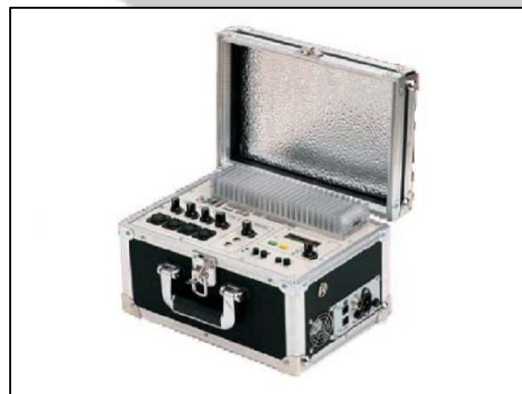


PORTABLE 20W FM TRANSMITTER MRI 20 DIG

The portable FM transmitter **MRI 20 DIG** is composed by a four audio-channel mixer and an externally synthesized 20W (175-500MHz) or 10W (510-980MHz) FM transmitter with RF output signal. It also includes a telephone hybrid to transmit outside the RF coverage area. The MR PLATINUM is the receiver of this portable transmitter.



MAIN ADVANTAGES

- The digital frequency can be tuned in the front panel (transmitter and receiver) to change the transmission frequency in case of interferences.
- LCD display to visualize forward/reflected power and FM band modulation in 25KHz steps and 20MHz sub-bands.
- It can work with internal or external 12VDC power supplies, and also with an AC power supply between 90-220VAC.
- Great performance and versatility.

GENERAL CHARACTERISTICS

OPERATING FREQUENCY RANGE	200-220MHz, 220-240MHz, 300-330MHz, 430-450MHz, 450-470MHz & 940-960MHz (another frequencies under request)
MODULATION	FM class F3
VCO TUNING	25MHz max.
FREQUENCY STABILITY	±2.5 ppm TCXO
LOCAL OSCILATOR STEP	25KHz
OUTPUT POWER	20Wrms
SPURIOUS	<-80dBc
HARMONICS	<-65dBc
DISTORTION	<0.5%/1KHz without limiting
BASEBAND	0.5dB from 30Hz to 15KHz
UNWEIGHTED S/N RATIO	>60dB rms with 50µs
ASYNCHRONOUS AM S/N RATIO	>65dB ref. 100% AM/400Hz
SYNCHRONOUS AM S/N RATIO	>60dB with FM/75KHz/400Hz

PRE-EMPHASIS	50 or 75µs
RF CONNECTORS	N(F), 50Ω
LINE INPUT IMPEDANCE	5KΩ
MICRO INPUT IMPEDANCE	600Ω
PARAMETERS VISUALIZATION	LCD display
FREQUENCY TUNING	Keyboard with password
COOLING	Convection
OPERATING TEMPERATURE RANGE	0 to +45°C
MAXIMUM HUMIDITY	90% max. without condensation
AC POWER SUPPLY	90-260VCA. 50/60Hz
EXTERNAL DC POWER SUPPLY	12~15V negative to ground
INTERNAL DC POWER SUPPLY	12V 6A battery
AUTONOMY	Depends on output power
DIMENSIONS	340x230x230mm
WEIGHT	6.5kg

**OMB also has a totally synthesized repeater in the same band for portable transmitters, to be installed in vehicles or points of great height. It allows to greatly increasing its radio coverage in long distances.*

** The images and/or technical specifications are subject to change without previous notice.*

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