



The **EM 20/30** is an FM transmitter (87.5~108MHz) externally synthesized with a step of 10KHz, microprocessor controlled and with LCD display for the visualization of transmission parameters (forward and reflected power, deviation level). It

includes fold back protection, Mono/Stereo audio (MPX) input, 3 SCA inputs and telemetry output. User can adjust output Power from 0 to 30W. The EM 20/30 can be supplied with an internal digital stereo generator board (60dB separation).

technical features

operating frequency range 87.5 ~ 108.0MHz

modulation FM CLASS F3E, F8E (\pm 75KHz maximum deviation)

VCO tuning 25MHz

frequency stability \pm 2.0ppm

frequency tuning step 10KHz

RF power output 0 ~ 30Wrms adjustable

spurious < - 80dBc

harmonics < - 70dBc

STEREO CHANNEL SEPARATION > 55dB / 1KHz

T.H.D. distortion < 0.1 % / 1KHz (0.08% typical)

BaseBAND FREQUENCY RESPONSE 0.15dB from 30Hz to 60KHz

unweighted S/N ratio > 78dB from 30Hz to 15KHz (Mono input, Pre-emphasis of 50ms)

asynchronous AM S/N ratio > 65dB Ref. 100 % AM / 400Hz

synchronous AM S/N ratio > 60dB with FM / 75KHz. / 400Hz

Pre-emphasis 50 or 75ms internally selectable

RF output impedance 50W asymmetrical. N Female Connector

MPX input connector (main program) BNC Female

stereo input impedance (main program) High-Z 2KW

SCA input connectors BNC Female

SCA input impedance High-Z 2KW

Remote control interface Serial RS232

cooling Air forced (Axial blower)

operating temperature range - 10 ~ + 45°C

maximum relative humidity 90% (without condensation)

AC power supply 110 ~ 240VAC, 47/63Hz

Dimensions 2RU (19" rack), 410mm depth

weight 4.8Kg (10.56lbs)

Erickson Broadcast Sales Corporation
USA Toll Free 888-830-8223

website: www.ebsradio2000@yahoo.com **e-mail:** ebsradio2000@yahoo.com

PO Box 2575 - Albany, OR 97321