

SSTP-10

Portable FM Exciter



Features:

- ◆ INSTANT FRONT PANEL PROGRAMMABLE IN 100 KHZ INCREMENTS
- ◆ EXTREMELY COMPACT SIZE AND LIGHT WEIGHT.
- ◆ SWITCHABLE "LOW"- "HIGH" LEVEL AUDIO INPUT FOR USE WITH MICROPHONE, MPX OR MONO.
- ◆ BUILT-IN MIC-PRE-AMP/LIMITER FOR "LOW LEVEL" MICROPHONIC USE.
- ◆ LOW POWER CONSUMPTION.
- ◆ VSWR PROTECTED P.A.
- ◆ IDEAL PORTABLE UNIT FOR EMERGENCY BACK-UP AND SOLAR OR BATTERY POWERED APPLICATIONS.
- ◆ MEETS OR EXCEEDS ALL FCC AND CCIR REQUIREMENTS.
- ◆ SUPPLIED WITH SWITCHING POWER SUPPLY THAT CAN OPERATE FROM 110 OR 220 VOLTS AC. (BASIC TRANSMITTER OPERATES FROM 12 VOLTS DC SOURCE)



ENERGY-ONIX

The Transmitter People

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Technical Specifications

RATED POWER OUTPUT:

Adjustable 0-2 watts and 0-10 watts.

R.F. OUTPUT CONNECTOR/IMPEDANCE: UHF type connector 50 ohm.

FREQUENCY RANGE: 87.5 mhz to 108 mhz.

FREQUENCY PROGRAMMABLE: Direct from front panel in 100khz increments.

FREQUENCY STABILITY: Better than ± 500 hz.

SPURIOUS HARMONIC SUPPRESSION: meets or exceeds all FCC and CCIR requirements.

MODULATION CAPABILITY: Meets or exceeds all FCC and CCIR requirements. (The following AM noise parameters are determined primarily by the DC power source.)

ASYNCHRONOUS AM S/N RATIO: 70 db below reference carrier with 100% amplitude modulation at 400 hz, with de-emphasis, no FM modulation present.

SYNCHRONOUS AM S/N RATIO: 60 db below reference carrier with 100% amplitude modulation at 400 hz, with de-emphasis, FM modulation= ± 75 khz at 400 hz.

STEREO SEPERATION: 40 db or better.

DC POWER REQUIREMENTS: 12-13.8 v, 2 Amps (approx.) at 10 w output or 0.7A (approx) at 2 watts output supplied from AC power supply provided with equipment. Supply works from 110v and 220v AC line.

SIZE: 143 mm (5.7") W x 71mm (2.8") Hx 310 MM (12.4") D (less power supply).

WEIGHT: 2 Kg (4.5 lbs.) (less power supply).

AMBIENT TEMPERATURE RANGE: 0°C to 45°C (32 F to 113F).

PRE-EMPHASIS: For FCC 75 microsec, for CCIR 50 microsec. (Specify)

AUDIO INPUT: 5 K ohm impedance, unbalanced or balanced, 1 standard stereo male XLR can be used either for composite/wideband operation or monaural operation (switchable); approx. input level: 25 mV rms for 100% modulation, total deviation adjustable from front panel.

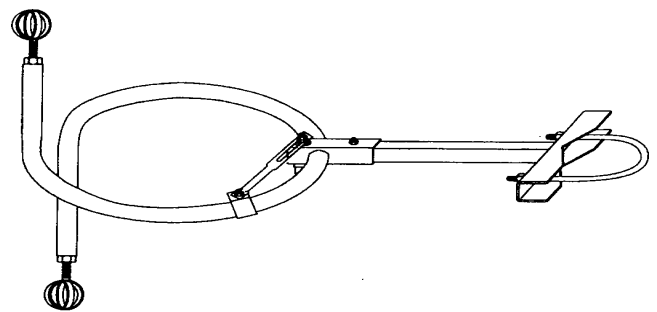
S/N RATIO: >70 db below ± 75 khz deviation at 400 hz measured in a 30 hz to 100 khz band width with 75 microsec de-emphasis.

AMPLITUDE RESPONSE: ± 0.5 db or better, 30 hz to 100 khz.

THD, IMD, TIM: 0.25% or better

OPTIONAL ITEMS

SWR Model FM-1 CP Antenna



Processor/Stereo Generator

RF Transmission Line



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