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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Click-to-Call
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CLASS A TRANSMITTER SERIES

FOR MEASURING SIGNAL PROPAGATION, POSITIONING ANTENNAS,
SETTING POWER LEVELS OR VALIDATING COVERAGE



FCC Type Accepted & CE Approval

Available Frequencies:

■ PCS ■ Cellular ■ LMR ■ GSM ■ SMR ■ UMTS ■ WiMAX
■ MMDS ■ iDEN ■ AMPS ■ ETACS ■ PACS ■ Paging

Each Gator Transmitter is housed in a high impact ABS water resistant case. It has a built in agile frequency synthesizer, dynamically controlled power amplifier and a built-in modem and DTMF (touch tone) decoding allowing remote control of all transmitter parameters via a phone line or cellular telephone. Remote adjustments include the power level, channel or frequency assignment, and transmit On/Off. All Gator transmitters feature Class A amplifiers for the purest output and pinpoint accuracy adjustments in 0.1 dB increments.

FEATURES:

- Available in either 25 Watt Class A, or 45 Watt Class A (10 or 20 Watt Class A for PCS)
- Pure spectrum Class A power amplifier
- Weighs 25 pounds
- Power amplifier with continuous adjustable power output ± 0.1 dB over 32 dB range
- Water resistant, rugged 18" x 15" x 6" ABS plastic case
- Microprocessor-controlled with front panel soft-keys or remotely controlled with an internal modem allowing for user programmable modulation schemes, power levels, channels, and frequencies
- Calibration/Usage integrated hours meter
- 240 x 64 LCD with vacuum fluorescent backlighting
- VSWR antenna protection and internal forward and reverse measurement
- Dual cooling fans
- Built-in thermal overheat protection for amplifier
- Battery backed-up SRAM stores all user selectable parameters in the event of a power loss
- Powered from 110-240 VAC 50/60 Hz, UL, CSA approved
- CW identifier for FCC CP identification
- All parameters can be adjusted remotely via RS-232 or the internal modem or DTMF signaling tones

Available from stock

The Gator Class A Transmitters are just some of many exceptional design solutions from Berkeley Varitronics. Call us today for more information:

(732) 548-3737 / Fax: (732) 548-3404

**www.bvsystems.com
info@bvsystems.com**





CLASS A TRANSMITTERS

SPECIFICATIONS

FREQUENCY RANGES:

PCS Class A models available in 10 or 20 Watt output power:

Continually tunes from 1850-2100 MHz**, covering both Forward, Reverse, and unlicensed bands

Cellular, WiMAX, LMR, Paging, SMR, GSM, ISM, WCS, iDEN, AMPS, PACS, ETACS, IS-136, IVDS

Class A models available in 25 or 45 Watt output power:

800-900 MHz
850-950 MHz
930-970 MHz
1920-1980 MHz
2.100-2.170 MHz
2.3-2.5 GHz
2.4-2.49 GHz
2.5-2.7 GHz
3.4 GHz

Please inquire about specific frequency, output power, and channel spacing when ordering.

GENERAL SPECIFICATIONS:

Display

240 X 64 pixel graphic supertwist LCD (VF backlit)
Stability is less than 1.5 PPM for first year, \pm for 1 PPM for aging

Output Power

Continuous adjustable power output \pm 0.1 dB over 32 dB range (below 1 GHz)

Power Adjustments

Continuously adjustable via rotary knob or direct keypad entry in 1 dBm increments over 17 dB on models above 1 GHz

Spurious Output

> 55 dBc (decibels below the carrier level)

Harmonics Output

> 55 dBc (decibels below the carrier level)

Power

110-240 VAC 50/60 Hz, autoswitching, UL and CSA approved
PCS 10 and 20 Watt models may also be powered from + 12 VDC
All other models from + 24 VDC

* Externally powered from +24 volts DC

** Models may be powered externally for +12 volts DC

Remote Control

Via serial RS-232, internal modem or DTMF through telco

Output Power Monitoring

Both forward and reverse power monitored via internal power meters.
The output is regulated to $< \pm$ 1.0 dB of setting at up to a 6:1 VSWR

MECHANICAL:

Case Size

18" x 15" x 6"

Weight

23 lbs.

OPTIONS:



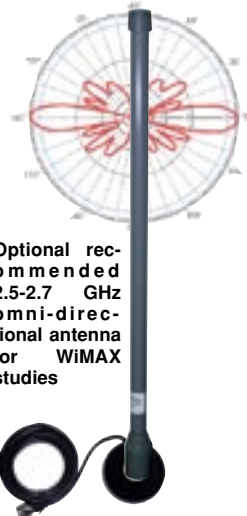
Optional Portable Power Station for up to 10 hours of continuous power in remote locations



Optional Honda generator (BVS approved) quietly runs you Gator all day long (>5 hours continuous).



Optional Transmitter Raincoat keeps case clean and provides extra protection in driving rain.



Optional recommended 2.5-2.7 GHz omni-directional antenna for WiMAX studies