

Gator™

CLASS A TRANSMITTER SERIES

THE WORLD'S MOST POPULAR STIMULUS TRANSMITTER



All Gator™ transmitters feature Class A power amplification, rugged, weatherproof housing and built-in VSWR antenna protection. It's light weight makes Gator a versatile transmitter suited for both field and laboratory work.

“PERFECT FOR MEASURING SIGNAL PROPAGATION, POSITIONING ANTENNAS, SETTING POWER LEVELS OR VALIDATING RF COVERAGE.”

Gator features an agile frequency synthesizer, dynamically controlled power amplifier and a built-in modem and DTMF (touch tone) decoding for remote control of all transmitter parameters via a phone line or cellphone. Remote adjustments include the power level, channel or frequency assignment, and transmit On/Off. Included Windows® PC controller software and user adjustable knobs allow for pinpoint accurate adjustments in 0.1 dB increments, frequency adjustments and step size. Gator may be powered by standard 110-240 VAC power from any outlet, generator or battery-powered DC source. Dual cooling fans provide excellent heat dissipation and ensure the purest RF signal output. GSM modulated schemes and custom frequencies available upon request.

FEATURES:

- Pure spectrum Class A power amplifier
- Weighs only 23 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 intergrated 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

FCC Type Accepted & CE Approval

Available Frequencies:

■ PCS ■ Cellular ■ LMR ■ GSM ■ SMR ■ UMTS ■ Wi-MAX
■ AWS ■ MMDS ■ iDEN ■ AMPS ■ ETACS ■ PACS ■ Paging

Gator may be easily suspended from a crane or other temporary structure for pre-network RF propagation studies.



Gator is perfect for positioning antennas and setting power levels.

www.bvsystems.com

Call us today for more information:
TOLL FREE 1-888-737-4287 / Fax: (732) 548-3404
www.bvsystems.com
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 **BERKELEY
VARITRONICS
SYSTEMS®**
Clarifying RF

Providing wireless solutions for over 35 years.



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SPECIFICATIONS

FREQUENCY RANGES:

Cellular, WiMAX, LMR, Paging, SMR, GSM, ISM, WCS, iDEN, AMPS, PACS, ETACS, IS-136, AWS and more
Class A models available in 25 or 45 Watt output power:

- 700 MHz
- 850-870 MHz
- 800-900 MHz
- 850-900 MHz
- 930-970 MHz

25 or 45 Watts

110/220 VAC or 24 VDC

- 1.805 - 1.880 GHz
- 1.85 - 2.10 GHz
- 2.10 - 2.17 GHz
- 2.3 - 2.36 GHz
- 2.4 - 2.49 GHz
- 2.5 - 2.7 GHz
- 3.4 - 3.7 GHz (10 watt only)

10 or 20 Watts

110/220 VAC or 12 VDC

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

GENERAL SPECIFICATIONS:

Display	240 X 64 pixel graphic supertwist LCD (VF backlighted)
Output Power	Stability is less than 1.5 PPM for first year, \pm for 1 PPM for aging
Power Adjustments	Continuous adjustable power output \pm 0.1 dB over 32 dB range (below 1 GHz) CLASS A AMPLIFIERS
Spurious Output	Continuously adjustable via rotary knob or direct keypad entry in 1 dBm increments over 17 dB on models above 1 GHz
Harmonics Output	> 55 dBc (decibels below the carrier level)
Power	> 55 dBc (decibels below the carrier level)
Remote Control	110-240 VAC 50/60 Hz, autoswitching, UL and CSA approved
Output Power Monitoring	PCS 10 and 20 Watt models may also be powered from + 12 VDC All other models from + 24 VDC
	Via serial RS-232, internal modem or DTMF through telco
	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. (lightest transmitter in the industry)

www.bvsystems.com

Call us today for more information:
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Powertronics

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