

# PT4000

## Paging Transmitter

The PT4000 Paging Transmitter is another in the family of a robust progression of single site paging products provided by RF Technology Americas INC. The series includes modular construction, full metering, and expandability to provide channel monitoring and link control receivers or wire line control inputs. The PT4000 paging transmitter will accept any combination of tone, voice, and digital formats including FLEX and POCSAG. The transmitters may be designed with a paging terminal, link receiver, guard receiver, link transmitters, and antenna systems. Additionally, many other options are available for completely configured systems. For more information regarding this superior product, call RF Technology and speak with the sales department about your requirements.

- ▶ Modular construction. 100% duty cycle.
- ▶ Field programmable TTL or RS-422 digital interface.



*“Innovative products to handle your needs.”*

<b>General</b>	
<b>Power Output</b>	10-100, 250-500Watts (through specified PAs)
<b>Tuning Range</b>	66-88; 136-174; 2q6-245; 350-521; 928-942MHz in various sub-band
<b>Emission Designator(s)</b>	16K0F3E, 20K0F2D, 16K0F2D, 11K0F2E, 11K0F3E & 11K0F2D
<b>Maximum Bit Rate</b>	2400 Baud; 2-Level FSK NRZ
<b>Pre Emphasis</b>	Selectable Flat or Pre-emphasized
<b>Output Device</b>	Transistor or FET (power & band dependent)
<b>FCC Type Acceptance No</b>	KRET 150B; 500B; 800; 800C
<b>Transmitter Type</b>	Direct FM
<b>Method of Tuning</b>	Synthesized
<b>Pulse Characteristics</b>	Compliant with requirements of Emission Designators
<b>Frequency Stability</b>	1 PPM VHF, Supplied w/opt TCXO, 1 PPM UHF/900MHz
<b>Emission Bandwidth</b>	Complaint with rules of Emission Designators
<b>Max Modulation Frequency</b>	3000Hz
<b>Deviation Ratio</b>	Programmable to comply with Emission Designator(s)
<b>Audio Distortion</b>	<2%
<b>Digital Formats</b>	All bi-level modes to 2400 baud standard
<b>FM Signal to Noise</b>	>55 dB Psophometric below 3 KHz deviation
<b>Channel Spacing</b>	25KHz, 30KHz, 12.5KHz, 7.5KHz
<b>Channel Selection</b>	Binary Coded Select Lines
<b>Spurious Emissions</b>	-75 dBc or Lower
<b>Harmonic Output</b>	2nd: -80 dBc - 3rd: -80 dBc - Others: -80 dBc
<b>Metering/ Ext Monitoring:</b>	OPTIONAL. RF Power - Forward/Reverse, dC Amperes, DC voltage-Driver/ Final, Input Power (above 150 Watt model)
<b>External Monitoring</b>	Remote monitoring, output connector std (above 150 Watt model)
<b>Power Supply</b>	115/230 VAC, 50-60Hz
<b>Alarm Indicators</b>	OPTIONAL. RF on, SWR, Over temp, Low Power (above 150 Watt model)
<b>STD Cabinet Dimensions</b>	23" W x 30" H x 24" D
<b>Optional Cabinets</b>	46" Tall, 72" Tall, 84" Tall
<b>Link RX &amp; TX</b>	72 MHz, VHF, UNF, 800 & 900MHz
<b>Others</b>	VHF transmitter for narrow band operation requires the optional 1 PPM (-30 to +60 deg. C)

**NTIA APPROVED**



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