

DXP6000 Series



DXP6000 is one of the industry's leading paging transmitters. It is designed with your business goals in mind. This coordinated systems package offers the flexibility, efficiency, reliability and performance you need to gain an advantage in a highly competitive business environment.

- ▶ Direct Digital Synthesis
- ▶ Remote control maintenance
- ▶ Remotely adjustable modulation amplitudes, offsets and delays.
- ▶ Power output from 10 to 500 watts.
- ▶ Microprocessor control throughout.
- ▶ Most or various modes of digital and analog modes are supported.
- ▶ Compatible with virtually all simulcast controllers.
- ▶ Optional Purc link demodulator.

GENERAL

Power Output:	10 - 100, 250 - 500 Watts (through specified PAs)
Tuning Range:	66-88; 136-174; 216-245; 350-521; 928-942 MHz in various sub-band
Emission Designator(s):	16K0F3E, 20K0F2D, 16K0F2D, 11K0F2E, 11K0F3E & 11K0F2D
Maximum Bit Rate:	2400 Baud; 2-Level FSK NRZ
Pre Emphasis:	Selectable Flat or Pre-emphasized
Output Device:	Transistor or FET (power & band dependent)
FCC Type Acceptance No:	KRET 150B; 500B; 800; 800C
Transmitter Type:	Direct FM
Method of Tuning:	Synthesized
Pulse Characteristics:	Compliant with requirements of Emission Designators
Frequency Stability:	0.02 PPM, All Bands
Emission Bandwidth:	Compliant with rules of Emission Designators
Max Modulation Frequency:	3000 Hz
Deviation Ratio:	Programmable to comply with Emission Designator(s)
Audio Distortion:	< 2%
Digital Formats:	All bi-level modes to 2400 baud standard
FM Signal to Noise:	> 55 dB Psophometric below 3 KHz deviation
Channel Spacing:	25 KHz, 30 KHz, 12.5 KHz, 7.5 KHz
Channel Selection:	Binary Coded Select Lines
Spurious Emissions:	-75 dBc or Lower
Harmonic Output:	2nd: -80 dBc - 3rd: -80 dBc - Others: -80 dBc
Metering:	RF Power - Forward/Reverse, DC Amperes, DC Voltage-Driver/Final, Input Power (above 150 Watt model)
External Monitoring:	Remote monitoring, output connector std (above 150 Watt model)
Power Supply:	115/230 VAC, 50-60 Hz
Alarm Indicators:	RF on, SWR, Over temp, Low Power (above 150 Watt model)
STD Cabinet Dimensions:	23" W x 30" H x 24" D
Optional Cabinets:	46" Tall, 72" Tall, 84" Tall
Link RX & TX:	72 MHz, VHF, UNF, 800 & 900 MHz
Others:	VHF transmitter for narrow band operation requires the optional 1 PPM (-30 to +60 deg. C) TCXO

NTIA APPROVED