



# PT2000 Series

## Universal Paging Transmitter

The PT2000 Desktop Paging Transmitter is a compact, self-contained exciter/transmitter with a built-in power amplifier and an AC power supply. Like its high-end counterpart, (PT4000 Series), the PT2000 features rugged, field proven modular construction, PC programming/metering facilities and alarms. The PT7000 interfaces to the paging terminal/encoder via a single multi-conductor cable.

- ▶ Compact (12.4" X 12.72") footprint.
- ▶ Modular construction.
- ▶ Direct FM - tone, voice, and digital modulation (including FLEX and POCSAG).
- ▶ 100% duty cycle up to 10 watts.
- ▶ Built-in 110VAC or 220VAC power supply with detachable cord (IEC-320 connector).
- ▶ Field programmable TTL or RS-422 digital interface.
- ▶ Single 9-pin "D" connector interface for both analog and digital applications.
- ▶ Desktop or wall-mountable.
- ▶ Optional Pocsag Encoder allows PC to become terminal.



*"Leading the evolution of radio's next generation".*

## General

<b>Frequency Bands:</b>	VHF	UHF	800/900
<b>Frequency Ranges:</b>	148-174MHz	400-440MHz 440-520MHz	928-943MHz
<b>Export Frequency Band:</b>	Contact factory for complete listing of export frequency bands.		
<b>Power Output (adjustable):</b>	4-25 watts	4-25 watts	4-15 watts
<b>Output Impedance:</b>	50Ω	50Ω	50Ω
<b>RF Output Port:</b>	Rear mounted "N" female connector		
<b>Duty Cycle:</b>	100% duty cycle up to 10 watts, 75% at 15 watts, 50% above 15 watts.		
<b>Frequency Stability (standard):</b>	2 ppm	1 ppm	1 ppm
<b>Temperature Range:</b>	-10 to + 60°	-30 to + 60°	-30 to + 60°
<b>Frequency Stability (optional):</b>	1 ppm		
<b>Temperature Range:</b>	-30 to +60°		
<b>Channel Spacing (standard): Others Optional, Contact Factory</b>	12.5/25/30kHz	1212.5/25kHz	12.5/25Khz
<b>Deviation:</b>	4.5kHz Nominal (@ 25kHz channel spacing)		
<b>Modulation:</b>	16K0F3E +/-5kHz analog (@ 25kHz channel spacing) 20K0F2D +/-5kHz digital (@ 25kHz channel spacing)		
<b>Channel Selection:</b>	8 channels via external controller		
<b>Spurious Emissions:</b>	Less than .25μ watt		
<b>Harmonic Output:</b>	Less than -80dBc		
<b>Programming:</b>	PC programmable via (rear) chassis mounted 25-pin male "D" connector (requires programming kit)		
<b>Metering:</b>	RF Power, Forward/Reverse Power and General Alarms (metering requires a PC)		
<b>Power Supply:</b>	110V, 60Hz, or 220V 50Hz, 8A (6.5A continues) switching power supply with detach-able AC cord		
<b>Power Switch:</b>	Front panel mounted AC On/Off switch		
<b>Indicators:</b>	Front panel mounted LED indicators (Alarm; TX; and power)		
<b>Serviceability:</b>	Easily serviceable, fully modular construction		
<b>Dimensions:</b>	315mm (W) x 323mm (D) x 70mm (H) - less connectors, but including fee (12.4" x 12.72" x 2.73")		
<b>Net Weight:</b>	5.0Kg typical (11 lbs.)		



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