EPH

FLEX•MODE™

THE EPH PORTABLE RADIOS

The Bendix/King Flex•Mode™ EPH portable radios offer unmatched reliability and long-lasting performance. Flex•Mode™ radios may be programmed by channel and/or group in 12.5/15 KHz and 25/30 KHz channel spacing.

Discover world-class portables for today.

Rely on FLEX•MODE™ portables to meet the requirements of tomorrow.

BK RADIO

WORLD CLASS RADIOS.™

Synthesized FM Portable Radio
148-174 MHz
14/210 Channels
5/2 Watts RF Power

EPH
FLEX • MODE ™

EPH Model#
EPH51

OPTIONS	OPTIONS CODE 01A	02A	01M	02M	01S	02S	01X	02X
Metal Case			✓	✓			✓	✓
Lexan Case	✓	✓			✓	✓		
Alpha-numeric display		✓		✓		✓		✓
Numeric display	✓		✓		✓		✓	
14 Channels	✓	✓	✓	✓				
210 Channels					✓	✓	✓	✓

ORDER EPH MODEL # + OPTIONS CODE

GENERAL		ALL MODELS
Operating Voltage		10 V. NOM.
Tone Code Guard (CTCSS)		INCLUDED
Digital Code Guard (CDCSS)		INCLUDED
Time Out Timer		INCLUDED
Operating Temperature - C°		-30 TO +60
Size- W x D x H (in.)	Std. Battery	2.55 x 15. x 6.6
	Lrg. Battery	2.55 x 1.5 x 7.8
Weight (oz.)	Std. Battery	20
	Lrg. Battery	24
Standby Current Drain - mA		15
Antenna		HELICAL WOUND MOLDED RUBBER FLEX
Stability - PPM		±5

STANDARDS	MIL-STD 810 C Mthd.	C Proc.	D Mthd.	D Proc.	E Mthd.	E Proc.
Low Pressure	500.1	1	500.2	1	500.3	1
High Temp.	501.1	1 & 2	501.2	1 & 2	501.3	1 & 2
Low Temp.	502.1	1	502.2	1 & 2	502.3	1 & 2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Humidity	507.1	2	507.2	2	507.3	2
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8 & 10	514.3	1	514.4	1
Shock	516.2	1, 2 & 5	516.3	1&4	516.4	1 & 4
Metal Case models also include:						
Rain	506.1	1&2	506.2	1&2	506.3	1&2
Salt Fog	509.1	1	509.2	1	509.3	1

Unit meets U.S. Forest Service vibration and EIA RS-316B vibration and shock specifications.

Channel Spacing	25/30 KHz	12.5/15 KHz
TRANSMITTER		
Operating Frequency Spread	26 MHz	26 MHz
Spurious and Harmonics - dB	60	60
Hum and Noise - dB	43	37
Audio Distortion - %	3	3
Audio Response (per EIA) - dB	+1/-3	+1/-3
Modulation	15K0F2D 16K0F3E 16K0FXE	

RECEIVER		
Sensitivity: 12 dB Sinad - uV	.25	.25
Operating Frequency Spread	26 MHz	26 MHz
Selectivity - dB	72	60
Spurious including Image - dB	75	75
Intermodulation - dB	70	60
Audio Output - mW @ 5% dist.	500	500
Audio Response (per EIA) - dB	+1/-3	+1/-3

Musi-Tronics LLC
Communications & Data Technologies
Dennis J. Lloyd
BK RADIO
Systems Engineer and Consultant

Post Office Box 1725
Goose Creek, SC. 29445-1725
http://www.musi-tronics.com

Toll Free: (866) 574-1800
Local: (843) 574-2000
Email: info@musi-tronics.com