

GENERAL SPECIFICATIONS

FREQUENCY

Range

150 kHz to 450 MHz

Resolution

10 Hz

SPECTRAL PURITY

Harmonics

<-30 dBc

Non-Harmonics (Spurious)

<-60 dBc, Offset >5 kHz

OUTPUT LEVEL

Range

-127 to 0 dBm (-50 unit)

-127 to 7 dBm (-80 unit)

Resolution

0.1 dB

AMPLITUDE MODULATION

Range

0 to 99%

Resolution

0.01%

Accuracy (sum of all tones)

10 to 95%

±2% of indication

Tone Frequency Accuracy

±0.005%

Total Harmonic Distortion

<0.1%

VOR MODE

Modulation Tones

9960 Hz, 30 Hz Reference

30 Hz Variable, 1020 Hz Ident

LOCALIZER MODE

Modulation Tones

90, 150, 1020 Hz

Tone Frequency Adjustment

±10%

Range

Set DDM Function

"Hot Key"

0, 0.046, 0.093, 0.155, 0.200

Keypad or GPIB bus

0 to 0.400 DDM

DDM Resolution

0.001 DDM

DDM Accuracy

0 ±0.0003 DDM

0.046 ±0.0012 DDM

0.093 ±0.0021 DDM

0.155 ±0.0034 DDM

0.200 ±0.0053 DDM

GLIDESLOPE MODE

Modulation Tones

90, 150 Hz

Tone Frequency Adjustment

±10%

Range

Set DDM Function

"Hot Key"

0, 0.045, 0.091, 0.175, 0.400

Keypad or GPIB bus

0 to 0.800 DDM

DDM Resolution

0.001 DDM

DDM Accuracy

0 ±0.0003 DDM

0.045 ±0.0012 DDM

0.091 ±0.0021 DDM

0.175 ±0.0038 DDM

0.400 ±0.0083 DDM

MARKER BEACON MODE

Modulation Tones

400, 1300, 3000 Hz

Tone Frequency Adjustment Range

10 Hz to 18 kHz

VHF/UHF COMM MODE

Modulation Tones

10 Hz to 18 kHz, SELCAL

Tone Frequency Resolution

0.1 Hz

ADF MODE

Modulation Tones

10 Hz to 18 kHz

Tone Frequency Resolution

0.1 Hz

MORSE CODE

Morse Code Ident

User Programmable (VOR, LOC, ADF)

Length, 0 to 6 characters

Programmable

AUDIO OUTPUT LEVEL

2 VAC (peak) into 600 ohms

ENVIRONMENT

Operating Temperature

7 to 40 °C

Relative Humidity

<90%

POWER REQUIREMENTS

Input

100-240 VAC, 48-440 Hz

PHYSICAL CHARACTERISTICS

Weight

34 lbs (15.42 kg)

Size

17.4" x 5" x 19.3" (44.2 cm x 13.2 cm x 49 cm)

(19" x 5" x 19.3" in rack mount)

VERSIONS, OPTIONS AND ACCESSORIES

When ordering please quote the full ordering number information.

Ordering

Numbers

Versions

NAV2000R-50-110 NAV/COMM Signal Generator, 110 V

NAV2000R-50-220 NAV/COMM Signal Generator, 220 V

NAV2000R-70-110 NAV/COMM Signal Generator, 110 V
Includes GPIB Command Set compatible w/
Collins 479S-6A

NAV2000R-70-220 NAV/COMM Signal Generator, 220 V Includes
GPIB Command Set compatible w/ Collins
479S-6A

NAV2000R-80-110 NAV/COMM Signal Generator, 110 V Output
power range: -120 to +7 dBm

NAV2000R-80-220 NAV/COMM Signal Generator, 220 V Output
power range: -120 to +7 dBm

Optional Accessories

AC500520RH Rack Mount Kit

Extended warranty

WNAV/203C Extended standard warranty 36 months with
scheduled calibration

WNAV/205C Extended standard warranty 60 months with
scheduled calibration

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.

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