

SPECIFICATIONS, DF PROCESSOR

DF processing technique..... Phase/Amplitude electronic rotating goniometer, digitally processed
Frequency Range..... 200 kHz - 3000 MHz, limited by the receiver and DF antenna
Signal formats (modulation)..... AM, FM, SSB, CW,
Signal Bandwidths..... 200 Hz through 10 MHz determined directly by receiver
Sensitivity..... 6 dB signal-to-noise ratio for a bearing indication

Instrument processing accuracy..... ± 1 degree

Instrument processing resolution..... 1 degree

Response time..... better than 80 msec

Calibration..... Automatic, Internally generated signal simulating 0 degrees

Front Panel Controls

Power On (Unit turned off at Display /Control touch-screen)

Volume:..... Rotary control knob for internal receiver or factory integrated external receiver(s)

Front Panel Displays.....Color LCD Touch-screen for control and display

Line of Bearing

Digital..... 3-Digit, 1 resolution

Circular Display..... Compass pointer, 1-degree increments

True/Relative..... Selectable with COMP2 Option

Mode..... DF or OMNI

Antenna Mounting..... Air/Ground

BITSequential LOB display per DF Antenna quadrant

DF Speed..... Fast/Slow/Track

Bearing Offset.....

Rear Panel Controls..... None, Optional RS-232, NMEA-0183 (Specify format)

Inputs/Outputs

Power Input..... +12VDC, 110/220VAC optional

Antenna Control..... (MIL multipin connector)

RF Input..... TNC

Remote Control (Opt)..... DB-9, or DB-25 depending upon options selected

Processor Size..... 5.25" high x 19.00" wide x 22.00" deep

Processor Weight..... 18 lbs. approx.

Environmental

Temperature:

Operating..... 0 degrees to +50 degrees C

Non-Operating..... -10 degrees to +70 degrees C

Humidity..... 0 to 95%

Special Test Equipment..... none