OPTIMIZED FOR NAVAID INSTALLATION AND MAINTENANCE

➤ Supports Localizer, Glide Slope, Marker Beacon, VOR, and NDB
➤ Sunlight readable, touch screen display
➤ Adjustable backlight display
➤ Wide band spectrum analyzer for investigating interfering signals
➤ Data logging for continuous parameter recording
➤ Graphical modulation view and numerical displays of key parameters
➤ Rechargeable lithium-ion battery lasts over 4 hours
➤ Antennas and monopole support provided
➤ Durable lightweight enclosure – same size and weight as Thales 7010 PIR

7020 Portable Navaid Receiver
The 7020 Portable Navaid Receiver (PNR) is a signal analyzer which combines portability and convenience with a powerful receiver that can be used to analyze the received signals from ground-based navigation aids. The 7020 PNR uses a simple touch screen display and allows you to analyze navigation aid parameters, perform an ILS or VOR ground check, perform spectrum analysis, make low frequency audio measurements, and perform data logging.

**STANDARD COMPLIANCE**

Supports Localizer, Glide Slope, Marker Beacon, VOR and Non-Directional Beacon equipment signal analysis and measures parameters required by FAA maintenance orders and by ICAO 8071

**TECHNICAL CHARACTERISTICS**

**Display:** Color, 6.5-inch diagonal, sunlight readable, adjustable backlight

**Spectrum Display Range:** 75 MHz – 350 MHz, 0 to -90 dBm

**Audio Display Range:** 0 to 50 KHz, up to 10 volts peak (2 channels)

**Data Logging:** All available parameters for any supported navaid can be logged. User configurable interval from 1 second to 24 hours. Large internal storage allows for over 1 million records to be stored for later transfer to a USB stick.

**Audio Output:** Allows user to monitor CW identification (built-in speaker with volume control)

**Navigation Aid Measurements:**

- **Inputs Supported (ILS and VOR):** RF, audio
- **ILS Input Level:** 0 to -87 dBm
- **VOR Input Level:** 0 to -76 dBm

Supports all Localizer (LOC) and Glide Slope (GS) configurations

- **DDM Accuracy:**
  - LOC on-course signal ± .002 DDM
  - GS on-course signal ± .003 DDM

- **VOR:** Supports conventional and Doppler VORs
  - **Azimuth Accuracy:** For 0 to -50 dBm, within ± .05 degrees
  - **Azimuth Accuracy:** For up to -76 dBm, +/- 0.2 degrees

- **Marker Beacon:** RF level, % modulation
- **Non-Directional Beacon:** RF level, % modulation