MODEL 2100
Instrument Landing System

Developed in cooperation with the FAA and certified for Category I, II and III operation, the Series 2100 ILS exceeds industry standards for reliability and performance.

PRODUCT OVERVIEW
The Series 2100 Instrument Landing System (ILS), provides Category I, II and III performance in the most versatile and technically advanced system in the industry today. Available in multiple configurations and with a wide variety of antenna arrays, the 2100 is field upgradable from Category I to Categories II and III to meet changing operating conditions. The 2100 provides user friendly computer-based interface, integrates the latest technical features and reduces system component content. The 2100 combines ease-of-operation and maintenance with increased performance and significantly reduced installation, maintenance and logistics costs. With software designed and qualified to rigorous RTCA DO-178 Level B standards, the 2100 exceeds industry standards for reliability and performance.

ADDITIONAL FEATURES INCLUDE:
- Dual and single equipment configurations
- Dual and single frequency localizer configurations
- 8, 14, and 20 element LPD antenna arrays
- Null reference, capture effect, sideband reference and end-fire glide slope configurations
- Comprehensive RMM and PMDT (Portable Maintenance Data Terminal)
  - Remote Certification/Control
  - Fault Diagnostics
  - Monitoring and Recording
- Seamless Category I - III upgradeability AMS (AS) ILS equipment is U.S. Federal Aviation Administration certified, meet or exceed ICAO Annex 10 recommendations and has been commissioned in hundreds of locations worldwide.

SPECIFICATIONS
MECHANICAL
Weight: (Cabinet): 193 lbs (87.5kg).
Dimensions: (Cabinet): 24"W x 24"D x 24"H (60.0cmW x 60.0cmD x 60.0cmH).

ENVIRONMENTAL
Temperature: Indoor equipment: -10°C to +50°C, Outdoor: -50°C to +70°C.
Relative Humidity: Indoor equipment up to 95% noncondensing. Outdoor equipment up to 100% at 70°C.
Altitude: 0 to 4573m (0 to 15,000 ft) MSL.
Duty Cycle: Continuous, unattended.
Wind: Up to 100 mph (161kph).

ELECTRICAL
Primary Power: 90-264V AC ±15%, 47-63 Hz single phase.
Standby Power: 28V DC no-break battery back-up system, minimum 6hr. operation.
Frequency Stability: ±0.0005%.
Power Output: 20 Watts maximum (adjustable).
Frequency Range: 108 - 111.975 MHz.
Frequency Control: Synthesizer.
Modulation Tones: 90/150 HZ navigation, 1020 Hz identification.
Coverage: Per ICAO Annex 10.
Monitors: Dual Parallel AND/OR configuration, monitors standby transmitter and built-in-test generator for monitor certification.
RMM: Comprehensive; includes alarms and maintenance alerts with automatic call out to any telephone number.

ANTENNAS
Configurations: 8, 14, or 20 element antenna array with integral monitoring and optional near and far field monitoring.
GLIDESCOPE SPECIFICATIONS

MECHANICAL
Weight: (Cabinet) 193 lbs (87.5kg).
Dimensions: (Cabinet) 24''W x 24''D x 24''H (60.0cmW x 60.0cmD x 60.0cmH).

ENVIRONMENTAL
Temperature: Indoor equipment: -10°C to +50°C, Outdoor: -50°C to +70°C.
Relative Humidity: Indoor equipment up to 95% noncondensing. Outdoor equipment up to 100% at 70°C.
Altitude: 0 to 4573m (0 to 15,000 ft) MSL.
Duty Cycle: Continuous, unattended.
Wind: Up to 100 mph (161kph).

ELECTRICAL
Primary Power: 90-264V AC ±15%, 47 Hz, single phase.
Standby Power: 28V DC no-break battery back-up system, minimum 6 hr. operation.
Frequency Stability: ±0.0005%.
Power Output: 5 Watts maximum (adjustable).
Frequency Range: 328.6 - 335.4 MHz.
Frequency Control: Synthesizer.
Modulation Tones: 90/150 Hz navigation.
Coverage: Per ICAO Annex 10.
Equipment: BITE with fault diagnostics to LRU capable of being performed from a remote location.
Monitors: Dual parallel AND/OR configuration, monitors standby transmitter and built-in test generator for monitor certification.
RMM: Comprehensive, includes alarms and maintenance alerts with automatic dial out to any telephone number.

MARKER BEACON SPECIFICATIONS

MECHANICAL
Weight: (Cabinet) 65 lbs (29.5kg).
Dimensions: (Cabinet) 12''W x 11.5''D x 26.5''H (30.5cmW x 29.2cmD x 67.3cmH).

ENVIRONMENTAL
Temperature: -50°C to +70°C.
Relative Humidity: 0 to 100%.
Altitude: 0 to 4573m (0 to 15,000 ft) MSL.
Duty Cycle: Continuous, unattended.
Wind: Up to 100mph (161kph).

ELECTRICAL
Primary Power: 120-240V AC ±15%, 47-63 Hz, single phase
Standby Power: 28V DC no-break battery back-up system.
Operating Frequency: 75 MHz.
Frequency Stability: ±0.002%.
Power Output: 2.5 Watts maximum (adjustable).
Built in Measuring Equipment: Audio Frequency Counter, Digital Voltmeter, Transmitter power meter, VSWR meter.
RMM: Comprehensive Data to include Alarms with automatic call out to any telephone number.
Modulation Capability: 10% to 97% adjustable.
Polarization: Horizontal.
Keying For:
• Outer Marker
• Middle Marker
• Inner Marker
Coverage: Per ICAO Annex 10.