

PADS®

UHF Dropsonde Receive Subsystem (UHF-DRS)

The Precision AirDrop System (PADS®) UHF Dropsonde Receive Subsystem (UHF-DRS) contains a Dropsonde UHF Receiver, a UHF Test Tool, associated cabling, electrical wiring and all the necessary components required to install the system on an aircraft. All components are contained in a watertight transportation and storage case.

The UHF-DRS allows aircrews to receive PADS Dropsonde data through an aircraft UHF antenna and it feeds the data to the JPADS Mission Planning System (MPS). The MPS, in turn, translates data provided by the Dropsonde into a wind profile used to generate a cargo/personnel air release point for precision air drop missions. The UHF-DRS is part of the AN/ARQ-60 Joint Precision Airdrop System

Features

- TCP/IP Ethernet connection
- Compatible with existing mission planning software
- Receives up to 4 PADS Dropsondes simultaneously
- Simple to operate and control
- ARINC one-half ATR compliant enclosure
- Easy to install on all aircraft types
- Roll-on/roll-off with typical installation time of less than one hour. Removal in less than half an hour.

Engineering

PADS line replaceable units are engineered to meet or exceed the stringent requirements for operating onboard DoD aircraft. They are certified by the U.S. Air Force for operations on C-130E/H, C-130J/J-30, C-17, and a variety of other military aircraft. The system was independently tested at an accredited MIL-STD test facility and during a USAF flight test program and met or exceeded the following requirements:

- MIL-STD-810F
- MIL-STD-1472
- MIL-STD-704E
- SAE-AS50881
- MIL-STD-461E
- MIL-HDBK-454
- MIL-HDBK-704-8



Applications

Reception of the PADS Dropsonde data on C-130E/H, C-130J/J-30 and C-17 aircraft or a variety of other DoD, foreign, and non-military aircraft. Receives and decodes data from the TASK, MAXMS, and WiPPR systems.

Options

- Roll-on/roll-off Installation packages
- Semi-permanent installation packages
- Permanent installation packages
- Custom cable packages
- No identifiable markings



Specifications

- Operating Frequency: 400.50 to 405.50 MHz
- Frequency Steps: 0.500 MHz steps
- Sensitivity: > -106 dBm
- Modulation: FM FSK
- Output: Formatted TCP/IP Ethernet
- Length: 22.0 in. / 55.88 cm
- Width: 19.0 in. / 48.26 cm
- Depth: 10.5 in. / 26.67 cm
- Weight: 45 lbs / 20.41 kg
- Input Power: 24 to 32 VDC
- Power Consumption: 1.03 Amps during operation
- Visual Signaling: NVIS compatible LEDs

NSN

QNA PN	NSN
11260-700	5998015925892
11260-702	5998015937438

Description

C-130 UHF DRS (BLOCK 4.0)
C-17 UHF-DRS (BLOCK 4.0)

FOR MORE INFORMATION

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