PADS® ASonde

For Guided Airdrop Systems

PADS (Precision Airdrop System) ASonde provides aircrews with in-situ weather information to assist with guided, ballistic and personnel airdrop operations and meteorological applications.

Applications
For guided airdrop systems, the real-time data from PADS ASonde allows mission planners to increase standoff and deliver cargo and personnel from higher altitudes with greater precision and safety than conventional methods. When used in conjunction with the PADS UHF Dropsonde Receiver Sub-system (UHF-DRS), a 70% improvement has been demonstrated for impact point accuracy for high altitude ballistic airdrop systems.

PADS Asonde is also used to assist meteorological applications by measuring wind speed in remote areas.

Features
- Simple to operate
- 11 programmable frequencies adds flexibility to operations
- Single indicator for power and GPS lock
- Operational in excess of 25,000 ft MSL
- Optional parachute color supports for training and combat operations
- Replaceable batteries
- Run-time feature determines remaining operational life

Benefits
- Provides safety by increasing standoff
- Delivers cargo and personnel with greater precision
- Offers real-time data to support guided, ballistic and personnel airdrop operations
- Supports meteorological applications in remote areas
## Specifications

| Engineering | All PADS equipment is designed and manufactured to meet the stringent requirements for operating onboard DoD aircraft. They are certified by the USAF for operations on C-130E/H, C-130J/J-30, C-17 and a variety of other military aircraft and is tested to meet or exceed the requirements of:  
• MIL-STD-461(C)(E)  
• MIL-STD-810 Explosive Environment and Rapid Decompression |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency</td>
<td>400.5 to 405.5 MHz</td>
</tr>
</tbody>
</table>
| Output Power | >23 dBM (200 mW) Minimum  
>25 dBM (320 mW) Nominal |
| Battery Life | >90 Minutes |
| Wind Speed | +/- 1 m/s |
| Wind Directions | +/- 1 degree |
| Length | Stowed 9” (22.86 cm)  
With Antenna 15.5” (29.37 cm) |
| Diameter | 2.25” (5.72 cm) |
| Weight | 1.73 lbs (785 g) |
| Rate of Fall | 70 fps  
(nominal at sea level) |
| Maximum Altitude | 25,000 ft MSL |
| Visual Cuing | Single LED |