

Wireless Direction Finding Plug & Fly



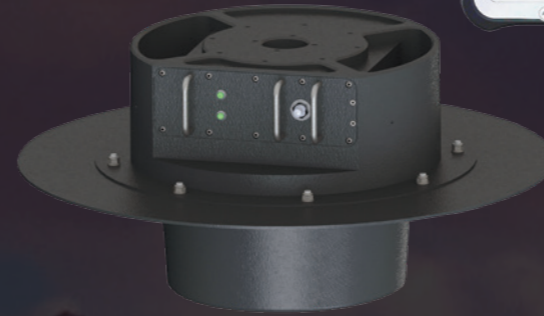
Wireless Direction Finding - Plug & Fly

The recent rise in the use of multi-role aircraft has led to the development of roll fit equipment allowing a single aircraft to be configured for multiple disciplines including; Search & Rescue, Air Ambulance and Police.

A Direction Finding system is essential for any Search & Rescue aircraft, however traditional systems are expensive and hard wired to the airframe, which does not suit the nature of a multi-role aircraft. With this in mind Techtest has developed a wireless Plug & Fly Direction Finding system that easily fits to the outside of the aircraft. Relying on the Airfilm DT-11 Dovetail mount, the DF system allows your aircraft to quickly be configured for Search & Rescue in under 5 minutes. The wireless Plug & Fly DF system is also transferable between aircraft, meaning the operator doesn't lose Search and Rescue function during maintenance periods.

Wireless Display

A light weight ruggedised tablet connects via WiFi to the DF antenna. Providing a portable touch screen DF solution.



- Reduces capital expenditure
- Rechargeable units
- Transferrable between fixed wing and rotary wing
- Multi-platform use
- Special mission configurable
- Range 50 Km
- Operational temperature at -20°C
- Military, Para-public and Civil use
- Fitted and certified without any aircraft modification

■ Nose Bracket

The DF Plug & Fly sits perfectly on the nose of the airframe providing optimum Air to ground visibility. Mounted using dovetails/quick connects.

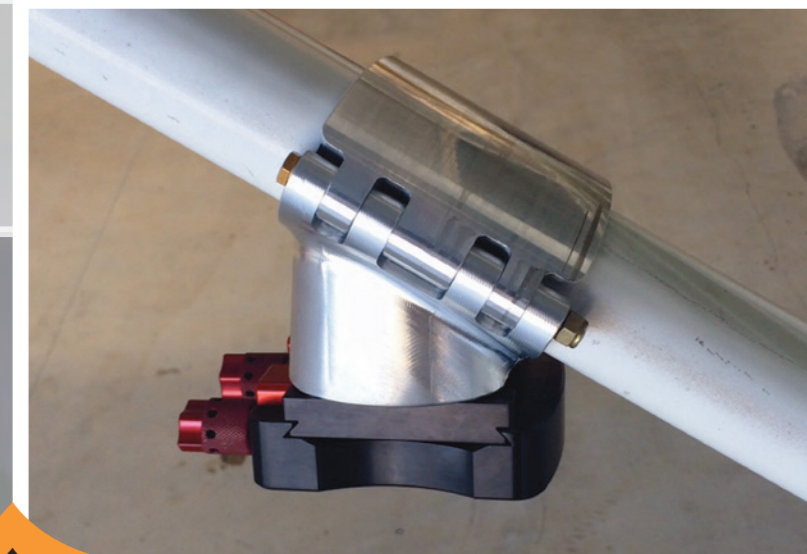


■ Step Mount

Mounted using dovetails / quick connects. Low weight .

■ Fixed Wing

Designed using dovetails/quick connects. Low weight.



SAR Portable Aircraft Solution

Minimise downtime with this innovative portable system

Specification Wireless Direction Finding - Plug & Fly

Compatible with all 406MHz Cospas-Sarsat ELTs
Concurrent tracking of ELTs

Direction Finding Frequencies:	110MHz to 410MHz.
SAR Range:	50km on 406MHz, 20km on 121.5 and 243MHz at 1000m AGL
DF Accuracy:	5° RMS
Polarisation:	Vertical
Decoder frequency:	406MHz
Message format:	Cospas-Sarsat C/S T.001
Environmental:	MIL-STD 810, DO-160
EMC:	MIL-STD: 461, DO-160

406-33

Diameter: 500mm

Height 237mm

Weight: 12.3kg

Connectivity: Wireless

Up to 6 hours Rechargeable Battery Power.



Ruggedised Tablet

Operating System: Windows 10

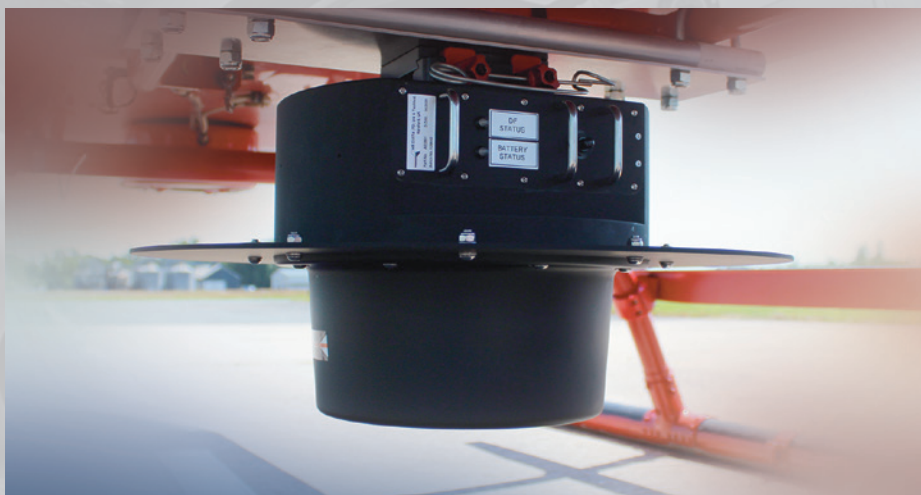
Endurance: 7 Hours

Screen Size: 10 inch

Dimensions: 198x279x25mm

Weight: 1.1kg (minus cables)

IP67 Protection & MIL-STD-810G Certified



Solutions readily available using the Meeker Airfilm DT-11 Mount:

Leonardo Helicopters A109 / A119

Bell 206 / 206L / 407 / OH-58 / 206 / 206L / 407 / UH1H / 205 / 210 / 212 / 412 / 429 / GRIFFON UH-1N

Airbus Helicopters AS-350 / 355 / EC-120B / EC-135 / EC-145, Cessna Caravan / 206 and 182, Sikorsky Blackhawk UH-60

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