

MYDEFENCE

WEARABLE C-UAS

Passive radio frequency-based detection of drones and controllers for **Dismounted Soldiers.**

PRODUCT PORTFOLIO



Wearable



Vehicle/
Vessel



Fixed/
Transportable



Detection



Mitigation

Battle-Proven

drone detection actively deployed by soldiers at front lines, e.g. Ukraine.

Easy to Use

enables soldiers in intense combat to focus on primary tasks.

Low SWaP

with high performance, minimizes soldier load and maximizes mobility & agility.

ATAK-Compatible

enhances operational effectiveness, efficiency, and provides team situational awareness.



MyDefence
Product Catalog



MYDEFENCE
COUNTER DRONE **TECHNOLOGY**

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Wingman 103 RF Sensor

Wingman 105 RF Sensor

MYDEFENCE WINGMAN 103 & WINGMAN 105 RF SENSORS

The Wingman 103 & Wingman 105 are compact, ruggedized RF-based devices designed to detect drones and their controllers. Ideal for dismounted soldiers, these sensors are wearable and man-portable, ensuring minimal load for maximum mobility.

Easily switch between two operational modes; detection and direction-finding. In detection mode, the device passively and continuously scans for drone control and video signals. In direction-finding mode, it acts like a Geiger counter, emitting alarms based on signal intensity with an accuracy within 30 degrees.

Renowned for their high performance, compact size, and ease of use, the **Wingman 103** and **Wingman 105** Sensors are the premier wearable drone detection devices chosen for dismounted soldiers on the front lines.



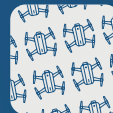
Direction Finding
with accuracy within 30°



Passive Detection
enables operators to remain undetected



Detect Drones and Controllers
for comprehensive awareness of the threat



Extensive Drone Library
enables accurate classification and low false positives



Software Field Upgrades
enables product evolution without costly hardware upgrades



Compatibility

Nett Warrior, Glenair, Black Diamond
Falcom Headset, Invisio Headset, USB Cable



SPECIFICATIONS

Common Specifications	Wingman 103 Sensor - external battery PN 90100008 Wingman 105 Sensor - internal rechargeable battery PN 90100015
Operational Specs. WITH External Active Antenna 100	
Detection Coverage Angle	Omnidirectional 360°
Detection Frequency Bands	433MHz, 868MHz, 915MHz, 1.2 GHz, 2.4, 5.2, 5.8 GHz
Direction Finding	2.4, 5.2, 5.8 GHz, accuracy within 30°
Operational Specs. WITHOUT External Active Antenna 100	
Detection Coverage Angle	Horizontal 90° / Vertical 90°
Detection Frequency Bands	2.4, 5.2, 5.8 GHz
Direction Finding	2.4, 5.2, 5.8 GHz, accuracy within 30°
Operational Specs.	
Detection Time	< 10s *
Detection Range	Up to 6 km / 3.73 mile *
Detection Notification	Sound, light, haptic
Operating Temperature	-30° to +65°C
Other	
IP Rating IP67	IP67
Color	Black / Desert
Related Products	MyDefence Pitbull 100 and 101 Jammer PN 90100086 / 90100025

* Depending on the RF environment & line of sight.

Differentiating Specifications	Wingman 103 Sensor - external battery	Wingman 105 Sensor - internal rechargeable battery
Physical Specs. & Power Requirements		
Dimensions Including Clips	244 x 96 x 54 mm / 9.6 x 3.8 x 2.13 in.	154 x 90 x 60 mm / 6,6 x 3,5 x 2,4 in.
Weight	Including battery 1110 g / 39 oz.	840 g / 30 oz.
Power Supply	External battery AN/PRC-148/152	Internal rechargeable battery
Battery Life	14 Hours	7 Hours
Battery Life with External Active Antenna 100	10 Hours	6 Hours
Battery Charging Time	1-2 Hours	1-2 Hours
Battery Charging Temperature	See specs. from manufacturer	-30° to +45°C / -22° to +113°F