



iMet-3050A

403MHz Portable Antenna / Receiver

403MHz Antenna

Antenna type	Quarter-wave monopole
Construction	Aluminium / fibreglass composite
Polarization	Vertical
Radiation pattern	Omnidirectional
Gain	2 dBi
Max slant range	> 250 km*
Max altitude	> 40 km*

Receiver

Type	Superheterodyne
Frequency control	Synthesized with AFC
Bandwidth	15kHz
Demodulation	FM, FSK, GFSK
Sensitivity	-118 dBm

Computer Requirements

Type	Any current PC
Operating system	Windows
Connection	USB

System Overview

Compatibility	iMet-2, iMet-50, iMet-54 radiosondes
Frequency	400.15 - 406 MHz
Operating mode	Mobile
Operating Environment	Rain proof
System architecture	Digital
MTBF	> 2400 hours
Useful life	> 8 years
Sounding Software	D-Met

Operating Parameters

Power	Via USB port from PC
Temperature	-20 to +40 °C
Antenna weight	2.2 kg
Antenna length	35 cm
Optional tripod	1.5 m fully extended

Key Features

- Combined antenna and receiver with single USB cable interface
- Integrated GNSS providing accurate station location
- Compatible with all 403MHz InterMet radiosondes
- Small size and light weight
- Ideal for field use
- Compatible with D-Met sounding software

This antenna is targeted at users that requires portability and ease of deployment. The compact, integrated, design and simple cabling requirements (USB connection only) makes this antenna a favourite in the research field



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Specifications subject to change without notice
* *Subject to balloon dimensions and atmospheric conditions*