



# iMet-3400

## 403MHz Commercial Antenna / Receiver

### Installation Options

Antenna	Roof or tower mount
Installation time	< 1/2 day

### 403MHz Antenna

Antenna type	Quadrifilar Helix
Construction	Aluminium / fibreglass composite
Polarization	Vertical, circular overhead
Max slant range	> 250 km*
Max altitude	> 40 km*

### Receiver

Type	Superheterodyne
Freq 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	Fixed installation
Operating Environment	All weather
System architecture	Digital
MTBF	> 20000 hours
Useful life	> 10 years
Sounding Software	D-Met

### Operating Parameters

Power	Via USB port from PC
Temperature	-40 to +55 °C
Antenna weight	2.5 kg
Antenna length	0.75 m

### Key Features

- Designed for synoptic soundings
- Improved overhead and long-range antenna coverage
- Compact design
- Integrated GNSS providing accurate station location
- Combined antenna/receiver with single data cable interface
- All-weather operations, includes built-in heaters
- Compatible with D-Met sounding software
- Compatible with all 403MHz InterMet radiosondes

*This is an integrated antenna and receiver which simplifies installation and usage for fixed stations. The antenna design has been refined to optimise overhead as well as long-range operations. This antenna is ideal for users that are involved in regular synoptic observations*

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



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