



# iMet-3050A

## Meteorological Sounding System 403 MHz GPS Portable

- Low-Cost, High-Performance Design
- Integrated Antenna/Receiver/Decoder
- Processed Digital Output Direct to PC
- 35 cm Height, 2.2 Kg Weight (4.9 lbs)
- Single Case Deployment
- Ideal for Field Use
- iMetOS-II and NOAA SkySonde Software
- Compatible with all iMet Radiosondes
- Innovative, Elegant, Affordable

### Product Overview

The iMet-3050A is InterMet's latest portable sounding system. Designed for maximum ease of use, this compact antenna / receiver / decoder is the most mobile, high-performance sounding system available on the market.

### System Overview

Operating Principle	Automatic GPS
Frequency	400.15 – 406 MHz
Operating Mode	Mobile or fixed
Operating Environ.	All-weather
Users Required	1 person
MTBF	> 2400 hours
Useful Life	8+ years
Software	iMetOS-II or NOAA SkySonde

### Operating Parameters

Power	Via USB port from PC, 5 VDC
Outside Equip Temp	- 20 to + 40 ° C
Antenna Wt.	2.2 kg
Complete System	< 10 kg, including field case
Antenna Height	35 cm
Tripod	1.5 m – 3 m fully extended

### Upper-Air Sounding Performance

Max Slant Range	> 250 Km
Max Altitude	> 35 Km
Reports	WMO, BUFR, Custom MSG
Interfaces	Google Earth, RAOB
Ozone Capable	Standard

### 403 MHz Antenna

Antenna Type	Quarter-Wave Monopole
Construction	Fiberglass/aluminum
Polarization	Vertical
Impedance	50 Ohm
Gain	2 dBi
Radiation Pattern	Omnidirectional

### 403 MHz Receiver

Type	Superheterodyne
Frequency Control	Synthesized with AFC
Bandwidth (Narrow)	6 kHz
Modulation	FM / FSK
Sensitivity	-118 dBm
Operational	-110 dBm

### Deployment Options

Antenna Assembly	Tripod or fixed mount
Field Case	Pelican Model 1700

### System Computer

Processor	Any current model
Operating System	Windows 10
Data Output	USB

*International Met Systems is one of the world's leading suppliers of Atmospheric Sensors for synoptic, military and research applications. Since 1997, we have delivered over 400 systems to customers in over 50 countries.*

*InterMet offers a complete line of sounding systems and sensors to meet customer requirements and budgets. We offer flexible, cost-effective solutions - and the highest level of customer service in the industry.*



**InterMet**  
International Met Systems

4767 Broadmoor SE, Ste 7  
Grand Rapids, MI 49512  
phone: 616-971-1005  
e-mail: info@intermetsystems.com