



# iMet-3600M

## Meteorological Sounding System 403 MHz GPS Military

- **Advanced GPS Technology**
- **Fixed Site or Mobile Deployment**
- **Small, Rugged, Light**
- **All Digital Architecture**
- **WMO/STANAG Reports**
- **Compatible with all iMet Radiosondes**
- **Vehicle Integration Available**

### Product Overview

The new iMet-3600M is the most compact full-range military meteorological sounding system available on the market. Its innovative design keeps LRUs to a minimum while offering maximum flexibility for deployment options.

### System Overview

Operating Principle	Automatic GPS
Frequency	400.15 – 406 MHz
Operating Mode	Mobile or Fixed
Operating Environ.	All-Weather
Users Required	1 person
Field Installation	< 10 minutes
Useful Life	10 Years
Software	iMetOS-II Military

### Operating Parameters

Power	18-36 VDC
Outside Equip Temp	- 50 to + 55 °C
Environment	MIL-STD 810F
Antenna/LNA Wt.	5.5 kg (including tripod)
Tripod	1.5 m – 2.3 m fully extended
Cable	30 m RS-422 Data and Power

### Upper-Air Sounding Performance

Max Slant Range	> 200 Km
Max Altitude	> 30 Km
Reports	All Std WMO/STANAG

### Input Power

Standard	24 VDC
Vehicle Option	12 to 36 VDC
AC Option	110 to 220 VAC, 50-60 Hz

### 403 MHz Antenna/LNA

Antenna Type	Center-fed Coaxial Dipole
Construction	Fiberglass/Aluminum
Polarization	Vertical
Impedance	50 Ohm
Gain	1 dBi
LNA	19 dB

### 403 MHz Receiver

Type	Superheterodyne
Frequency Control	Synthesized with AFC
Bandwidth	15 kHz
Modulation	FM / FSK
Sensitivity 12 dB S/N	-115 dBm
Operational	-110 dBm

### Deployment Options

Antenna Assembly	Tripod
Field Case	Custom Pelican Case Contains Antenna, Tripod, Cables
Vehicle Integration	Available

### System Computer

Processor	Any Current Model
Operating System	Windows 10 or 11
Data Output	RS-232, Optional USB

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*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.*



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