



iMet-3150

Hand-Held Atmospheric Sounding System

- Extremely Small, Light Weight 403 MHz GPS Sounding System
- Ideal for Boundary Layer and Limited Range Research Applications
- Combined Alt/Slant Range over 40 km
- Rechargeable Batteries or AC Power
- Netbook or Laptop PC
- Supplemental Antenna Options Available to Boost Range to over 70 km
- Compatible with iMet-1 Radiosonde
- iMetOS-II Operating Software
- Low Cost, High Performance

System Overview

Operating Principle	Automatic GPS
Frequency	400.15 – 406 MHz
Operating Mode	Portable
Operating Environment	All-Weather
System Architecture	Digital
Users Required	1 person

403 MHz Whip Antenna (Optional)

Antenna Type	Center-fed coaxial dipole
Construction	Rubber, .5 meter
Polarization	Vertical
Nominal Impedance	50 Ohm
Weight	49 gm
Connector	BNC

Operating Parameters

Power	6.0 VDC (AC Adapter included)
Battery Power	Rechargeable or AA alkaline
Outside Equip Temp	-10 to + 60 Deg C
EMI	FCC Class B
Receiver / Modem	< 2.0 kg (including field case)

403 MHz Receiver

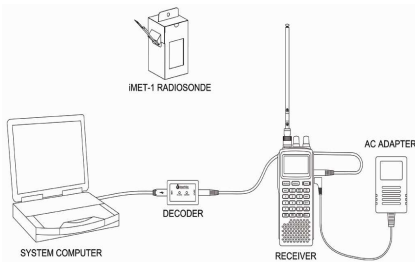
Type	Triple Conversion Superheterodyne
Frequency Control	Synthesized with AFC
Bandwidth	Variable
Modulation	FM, WFM
Sensitivity	0.56 μ V

Sounding Performance

Max Slant Range	> 40 Km (subject to conditions)
Max Altitude	> 10 Km (subject to conditions)
Antenna Options	up to 90 Km Combined Range
Reports	All Std. WMO, STANAG, NWS
Software Interfaces	RAOB, Google Earth

System Computer Options

Processor	Intel Celeron or higher
Data Output Type	Any Windows Compatible Netbook or Laptop
Operating System	Windows 2000 or higher
Ruggedized MIL-STD	Available



International Met Systems is one of the worlds leading suppliers of upper-air sounding systems. Since 1997, we have delivered over 250 systems to customers in 35 countries.

InterMet offers a complete line of 403 and 1680 MHz products to National Weather Services, Military Units, Universities and Research Institutions. We offer flexible, cost-effective solutions - and the highest level of customer service in the industry.

Specifications Subject to Change without Notice
See iMet-1 Brochure for Radiosonde Information
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