



iMet-3050A

403 MHz GPS Portable Sounding System

- Low-Cost, High-Performance Design
- Integrated Antenna/Receiver/Decoder
- Processed Digital Output Direct to PC
- 35 CM Length, 2.2 K Weight
- Single Case Deployment
- Ideal for Field Use
- iMetOS-II Operating Software
- Compatible with all iMet Radiosondes
- Innovative, Elegant, Affordable

System Overview

| | |
|-----------------------|------------------|
| Operating Principle | Automatic GPS |
| DGPS | Standard |
| Frequency | 400.15 – 406 MHz |
| Operating Mode | Mobile |
| Operating Environment | Rain Proof |
| System Architecture | Digital |
| Users Required | 1 person |
| MTBF | > 2400 Hours |
| Useful Life | 8 Years |
| Software | iMetOS-II |

Operating Parameters

| | |
|--------------------|-------------------------------|
| Power | Via USB port from PC |
| Outside Equip Temp | - 20 to + 40 Deg C |
| Antenna | 2.2 kg |
| Complete System | < 10 kg, including field case |
| Antenna Length | 35 cm |
| Tripod | 1.5 m, fully extended |

Sounding Performance

| | |
|-----------------|--------------------|
| Max Slant Range | > 250 Km |
| Max Altitude | > 35 Km |
| Reports | WMO, BUFR |
| 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 | 15 kHz |
| Modulation | FM / FSK |
| Sensitivity 12 dB S/N | -118 dBm |

Installation Options

| | |
|------------------|-----------------------|
| Antenna Assembly | Tripod or Fixed Mount |
| Carrying Case | Pelican Model 1700 |

System Computer (Optional)

| | |
|------------------|------------------------|
| Processor | Celeron or higher |
| Operating System | Windows 2000 or higher |
| Type | Any USB compatible |

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