iMet-3200A

403 MHz GPS Upper-Air Sounding System
World Class Synoptic Sounding Performance

- New Design for Synoptic Soundings
- All-Weather Operations
- All Digital Architecture
- Compatible with iMet-1 and iMet-2 Radiosondes
- iMetOS-II Operating Software

System Overview

Operating Principle	Automatic GPS
Frequency	400 – 406 MHz
Operating Mode	Fixed Site
Operating Environment	All-Weather
System Architecture	Digital
Users Required	1 person
MTBF	> 2400 Hours
Useful Life	10 Years
Operating System	iMetOS-II

Operating Parameters

Power	100-240 VAC, 50/60 Hz
Outside Equip Temp	- 40 to + 55 Deg C
Antenna/LNA Wt	4.0 kg
UHF Antenna Length	1.3 m

Upper-Air Sounding Performance

Max Slant Range	> 250 Km (subject to conditions)
Max Altitude	> 35 Km (subject to conditions)
Reports	All Std. WMO, STANAG

403 MHz Antenna/LNA

Antenna Type	Quadra Helix
Construction	Aluminum/Fiberglass Composite
Polarization	Vertical, Circular Overhead

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	Roof or Tower Mount
Installation Time	Less than ½ day

System Computer (Not Shown)

Processor	Celeron or higher
Data Output	Any Windows Compatible
Type	Mini Tower w Flat Screen Monitor
Operating System	Windows 2000 or higher
Ruggedized MIL-STD	Available

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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