Ground Met System

Integrated Weather Station for Upper-Air Soundings

Operating Parameters

Power	9 - 40V_{DC}
Operating Temperature Range	-25 to +55 ˚C
Connection	RS232 or RS422
Message Protocol	NMEA 0183

Key Features

- Integrated GPS, compass and tilt sensor for mobile applications
- No alignment or leveling required
- Fully integrated with D-Met sounding software
- Tripod mount for easy field deployment
- No moving parts

Specifications

Wind Speed Range	0 - 40 m/s
Wind Speed Resolution	0.1 m/s
Wind Speed Accuracy	10% (0 - 5 m/s)
	5% (5 - 40 m/s)
Wind Direction Range	0 - 360˚
Wind Direction Resolution	0.1˚
Air Temperature Range	-25 to +55 ˚C
Air Temperature Resolution	0.1 ˚C
Air Temperature Accuracy	±1.1 ˚C
Barometric Pressure Range	300 - 1100 mbar
Barometric Pressure Resolution	0.1 mbar
Barometric Pressure Accuracy	±1 mbar
Relative Humidity Range	10 - 95% RH
Relative Humidity Accuracy	±5% RH
Compass Accuracy	1˚ static heading
Pitch & Roll Range/Accuracy	< 1˚
GPS Position Accuracy	3 m

Supplied as an accessory to upper-air systems, the AIRMAR Ground Met System provide a direct data link to the D-Met sounding software. Rugged, with no moving parts, it offers the full range of surface observation measurements required for upper-air sounding operations.

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Specifications subject to change without notice