



iMet-5500 Ground Check Unit

For iMet-54 Radiosondes

Description

The Ground Check Unit allows an operator to check the correct functioning of a radiosonde before releasing it for a sounding. The radiosonde sensors are verified against very stable reference sensors in the Ground Check Unit. These reference sensors are precisely calibrated and have very good accuracy and long term stability. The unit also provides short range wireless communication to the radiosonde. This enables the operator to select user defined radiosonde frequencies and configure other items such as radiosonde turn-off settings. A built-in GNSS re-radiator allows the radiosonde to acquire satellite position lock while indoors.

Specification

Reference Temperature Sensor	
Range	-40 to +125 °C
Accuracy	±0.2 °C
Precision	±0.1 °C
Long term drift	< 0.05 °C/year
Reference Humidity Sensor	
Range	0 to 100% RH
Accuracy	±1.8% RH
Precision	±0.2% RH
Long term drift	< 0.5% RH/year
Reference Pressure Sensor	
Range	10 to 1200 mbar
Accuracy	±1.5 mbar
Long term drift	< ±1 mbar
Dimension (L x W x H)	330 x 60 x 50 mm
Weight	1.6 kg
Materials	Aluminium and PVC Plastic

The InterMet Ground Check Unit is used to quickly and easily confirm correct operation of iMet-54 radiosonde sensors before use. The unit uses very stable humidity and temperature reference sensors to ensure consistency and accuracy from all iMet-54 soundings.

Specifications subject to change without notice

Key Features

- Identifies faulty radiosondes before launch
- Easy to use
- USB connection to computer
- Integrated into D-Met Sounding Software
- Powered through USB port
- Easily replaceable reference sensors

Interface

Power Supply	Via USB
Electrical Interface	USB 1.1 / USB 2.0
USB cable	Type A to Type B
Short Range Wireless Communication	13.56MHz



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