



Analytical and Atmospheric Instrumentation

SpectraSonde

The AnaSonde™ family of digital radiosondes has been developed as a user-friendly and low cost method for gathering scientific measurements in the lower atmosphere up to altitudes of approximately 30,000 feet. The SpectraSonde is for users who want the simplicity and low cost of the Buzz-E but need a wider variety of sensors or data output formats.

Technical Details:

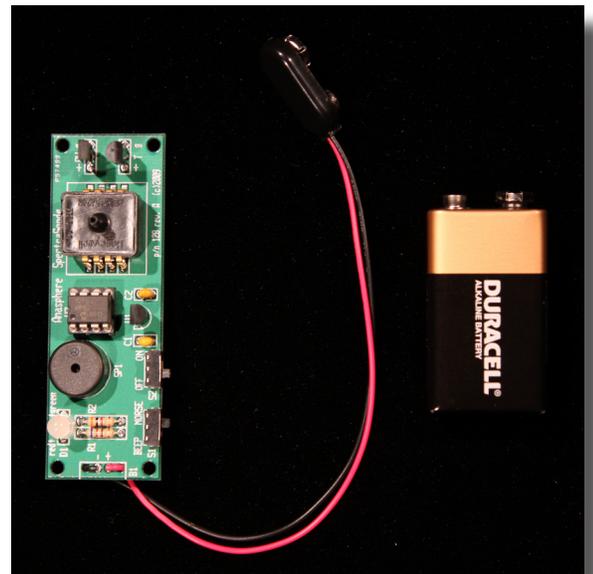
The SpectraSonde is designed to measure temperature, pressure and relative humidity or any subset of those quantities. Data output format is switchable between Morse code or the count-the-blinks (or count-the-beeps) of the Buzz-E. The circuit board is slightly larger than the Buzz-E to facilitate a very clear parts layout. The SpectraSonde has a wide spacing of parts and easier sensor placement into the test chambers and the like. Both audio (buzz) and visual (blink) outputs are provided.

Data Output:

The SpectraSonde's data is presented to the user via an on-board LED and an on-board buzzer. Different colors (for the LED) and audio frequencies (for the buzzer) are used to identify which measurement - temperature, pressure or humidity - is being presented.

Supplied Items:

The SpectraSonde is only offered in kit form; it consists of 14 parts plus a circuit board. All you need to add is a 9-volt battery.



www.anasphere.com

ph. 406-994-9354) fax. 406-994-9218

106 Pronghorn Trail) Bozeman, MT 59718

Additional Specifications:

Data Rate:

A new measurement is made approximately once every 30 seconds. Other rates may be available upon request.

User-Provided Materials:

The user will need to provide a 9-volt battery. A soldering iron and solder are required to assemble the kit.

Sensors:

The SpectraSonde can be supplied with temperature, relative humidity and pressure sensors. It can be ordered with any or all of those sensors. It does not have any extra channels.

Measurement Precision:

Temperature is reported in 1° Celsius increments. Relative humidity is reported in 1 % increments and pressure is reported in 1 millibar increments.

About Anasphere:

Anasphere was founded in 2002 to pursue the development of miniature instruments for atmospheric research. Trace gas sensors and meteorological sensor systems are major areas of company activity. Many of Anasphere's sensors are designed for use on sounding balloons and small UAVs.

Anasphere's customers include the federal government, the private sector and educational institutions. Revenues come from a combination of R & D and instrument sales.