



Overview

The AVW100 is available as a replacement part or as needed for continuity or compatibility, but Campbell Scientific recommends the AVW200-series interfaces for all new applications. The AVW200 interfaces are much more accurate and feature a high degree of noise immunity for your vibrating wire measurements.

The AVW100 provides amplification and signal conditioning for the frequency signal of one vibrating wire or vibrating strip transducer. Compatible sensors include pressure, load, strain, or even vibrating wire temperature sensors. The recommended frequency range is 250 to 9900 Hz (up to 5000 Hz in the CR5000). It is similar in general design to our AVW1 and AVW4, but it is designed for use with frequencies that those interfaces do not support (i.e., 250 to 1000 Hz).

Benefits and Features

- › Interfaces one vibrating strip/wire sensor to the data logger
- › Interfaces both temperature and frequency measurements from vibrating wire sensors
- › Supports a frequency sweep range of 250 to 9900 Hz
- › Can be used in conjunction with an AM16/32B or AM416 multiplexer

Technical Description

The AVW100 is available as a replacement part or as needed for continuity or compatibility, but we recommend the AVW200-series interfaces for all new applications. The AVW200-series interfaces are much more accurate and feature a high degree of noise immunity for your vibrating wire measurements.

The AVW100 provides amplification and signal conditioning for vibrating wire pressure, load, strain, or temperature sensors. The recommended frequency range is 250 to 9900 Hz (up to 5000 Hz in the CR5000). It is similar in general design to our AVW1 and AVW4, but is designed for use with frequencies that those interfaces do not support (i.e., 250 to 1000 Hz).

Specifications

Frequency Sweep Range	250 to 9900 Hz
Number of Vibrating Wire Sensors Measured	One vibrating wire sensor connects to the AVW100.

Additional sensors can be measured by using an AM16/32-series multiplexer.

For comprehensive details, visit: www.campbellsci.eu/aww100 