

## CSI BASED DATALOGGER



Above: Datalogger, measurement and storage module.

Data values stored in tables with a time stamp and record number

Battery backed SRAM and clock that ensure data, programs, and accurate time are maintained.

One program status LED

Interfaces two or four vibrating wire sensors, more sensors may be connected if an multiplexer is used.

Resolves the vibrating wire measurement to less than 0.001 Hz

Eliminates the problem of incorrect readings due to noise sources

Retrieves frequency of interest via SDI-12, RS232, or Bus network protocol

Supports standalone capability by using a wireless model (AVW206, AVW211, AVW216)

Provides low current drain (300µA quiescent, 4mA during 2-second measurement)

Includes dual channel coils plus a thermistor measurement

Simplified configuration and datalogger programming

**The multi channel logger is a general purpose datalogger configured for geo-technical sensors. Ideal for up to harsh field conditions.**

- **Simple use:** users connect sensors and power up logger. Logger is preprogrammed by Geo-Instruments to suit application
- **Supports manual connections** for data upload to laptop or PDA
- **Supports remote wireless IP, RF, Satellite, and or POTS telemetry, if required**
- **Compatible with ARGUS WEB based remote reporting syst**
- **Packaged in a NEMA4X enclosure, flush mounted Lid Link®, or in a custom enclosure to meet specific job requirements**
- **Available for deployment in wireless networks. Contact Geo-Instruments of more details on this option**
- **Powered by line voltage, alkaline battery packs, rechargeable gel cells.**
- **Solar charging optional**

### System Specifications:

4MB of Battery-Backed SRAM

Program execution rate of up to 100 HZ

ME I/O and RS-232 Ports

13-bit analog to digital conversions

16-bit microcontroller with 32-bit internal CPU architecture

Temperature compensated real time clock

Background system calibration

for accurate measurements over time and temperature changes

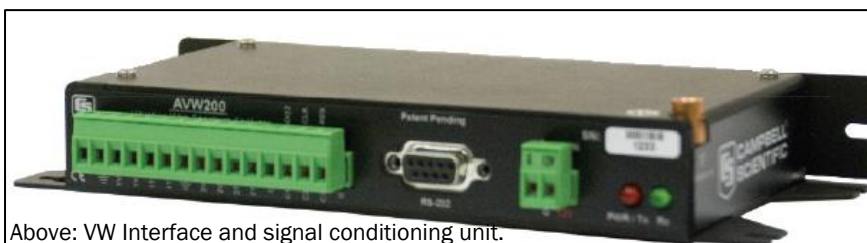
Single DAC used for excitation and measurements to give ratiometric measurements

Gas discharge tube protected inputs

### ARGUS Monitoring:

Optional, fully automatic collection, alarm processing and presentation from remote datalogger to a user accessible, password protected web site.

System admin hassles are handled by Geo-Instruments



Above: VW Interface and signal conditioning unit.

Phone: 800-477-2506

Fax: 401-633-6021

E-mail: sales@geo-instruments.com

24 Celestial Drive

Suite B

Narragansett, R.I. 02882