Data logging devices record scientific measurements from research and industrial processes for storage and analysis. Existing data loggers are often large and expensive, with limited storage capabilities. These devices, which are built using outdated programming languages, also require a physical connection to transfer data. The Scribe Datalogger modernizes data collection and analysis. The data logger relies on external sensors to capture analog and digital measurement signals, which decreases the size and cost of the device. Scribe Datalogger then records the measurements and displays real-time signals for data visualization and diagnosis of measurement problems. The system can store up to 1000 MB of data and information can be easily retrieved from the system using existing protocols. It also facilitates platform migration by using a code translator to convert old scripts to Python, a current, flexible, and open-source programming language. Scribe Datalogger has been used in multiple projects including the UTA TRAX air quality project, the Mobile Atmospheric Lab, and the Utah Atmospheric Trace Gas & Air Quality Lab.

**Technology Type**
Signal Processing
Data Collection

**Stage of Development**
- Hardware, software, and network prototype tested in various scientific campaigns.
- Casing in development.
- Additional software development and prototype optimization required.

**IP Protection**
Copyright Registration in Progress

**Funding to Date**
Received $200k from USTAR.

**Learn More**
For more information on Scribe Datalogger, please visit: [http://scribelogger.com/](http://scribelogger.com/)
Reference Number: U-6385

**Technology & Venture Commercialization**
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**Features and Benefits**
- Easily configurable for any application.
- Compact, low-cost alternative to commercially available devices.
- Facilitates migration from closed-source legacy programming environments to modern, open-source alternatives.
- Enables off-site data monitoring.
- Provides superior flexibility, as well as increased computing power and storage capacity.

**Inventor Profile**
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