Dear Colleague,

Are you investigating temperature issues? Shipping damage? Intermittent electrical faults or other low-frequency problems can be huge challenges without gathering sufficient data. High speed digital bugs? There's a datalogger below that can help with those problems, gathering data over a long time period to identify reliability challenges. Dataloggers record data over time using voltage or other sensor inputs to give investigators the clues they need. Some loggers are small, smart, and battery powered, but others need a PC interface to operate. When activated, data loggers can be left unattended to measure and record information for the duration of the monitoring period - even months!

If you don’t see what you need, give us a call and we can advise you!

Alan Lowne, CEO
Voltage Loggers
http://www.saelig.com/category/DLVOPC.htm

Checking long-term voltage changes? With up to 24-bit resolution, the PicLog ADC-20 and ADC-24 USB data loggers are able to detect small signal changes. Features such as true differential inputs, galvanic isolation, and software selectable sampling rates, all contribute to a superior noise free resolution, and ensure that your measurements are reliable and are accurate to within 0.1%.

Temperature / Humidity
http://www.saelig.com/category/DLTHPC.htm

Logging temperature changes? The TC-08 thermocouple data logger is designed to measure a wide range of temperatures, using any thermocouple that has a miniature size thermocouple connector. Featuring built-in cold junction compensation (CJC), the TC-08 has an effective temperature range of -270 to 1820 °C. One well-known national pizza company uses these for quality investigations.

Power Supply Loggers
http://www.saelig.com/hioki/pq3190.htm

Power supply problems? Hioki portable power meters and analyzers are best in class power measuring instruments for measuring single to three-phase lines with a high degree of precision and accuracy. The new and improved PQ3198 is a power quality analyzer for monitoring and recording power supply anomalies, allowing their causes to be quickly investigated, and also for assessing power supply problems such as voltage drops, flicker, harmonics, and other electrical issues.

CANbus
http://www.saelig.com/DLCAN/C402.htm

CANbus transmission issues in cars? CANstick Basic is a handy Diagnostic tool for use in motor vehicles. It is attached easily to the OBD interface of a vehicle and can send and/or receive predefined CAN sequences. The equipment is designed both for use in manufacturing production floors with many CAN sequences and in development as a fast diagnostic tool. Four programmable keys can initiate CAN messages and/or introduced events. Six programmable LED’s can return feedback of the accomplished action to an operator. The equipment is powered by the OBD interface.

Electrical System Analyzer & Recorder
http://www.saelig.com/DLVS/A/DLVS0A009.htm

Electrical sequence challenges? The FaultTracker Electrical System Recorder is a simple to use and self-contained test/fault finding instrument which will record and display all the on/off changes that occur at its inputs. Applications include monitoring and fault finding of control systems, security systems, heating & ventilation systems, production machinery, lift control gear and many others. It can also be used as an event logger. This product was used when investigating an intermittent railroad crossing gate problem; another application was in an industrial machine where the switch closures occasionally occurred in the wrong sequence.

Automotive Clutch Evaluation Testing
http://www.saelig.com/hioki/mr8880-20.htm

The HIOKI HiCorder MR8880-20

Multichannel Data Acquisition System
http://www.saelig.com/DLM/m300.htm

The Rigol M300 Data

High-Speed Digital Data Logger
http://www.saelig.com/product/MFR00015001.htm

High-speed datalogging is hard to come by! LOG Storm is a 20 bits / 100 MHz sampler with a 2MSample or 8 MSample memory that, when connected to a PC, allows waveform viewing with extended triggering options and hardware data filtering/data qualification.
Acquisition/Switch System is a modular measurement tool which combines precision measurement capability with flexible signal connections, providing versatile solutions for applications where multiple points or signals need to be tested for product performance during R&D as well as automatic production testing. Eight kinds of modules are available to make the exact test setup needed for an application, including DMM, 20-64 channel multiplexers, 16-channel actuators, 4 x 8 matrix switches, etc. Up to 320 switch channels can be installed per mainframe. The system can run standalone or with a PC.

Check out this great HIOKI application note: [https://lnkd.in/e68KthN](https://lnkd.in/e68KthN)