



# PI Manual Logger



Valuable data exist throughout your operations but not all of that data can be collected via automated instrumentation. Manually collected data can provide valuable context about your business and greatly enhance operational insights. Traditionally, manual data is collected via paper reports. But paper based data collection, by its nature, greatly limits data adoption and integration, while frequently introducing errors into your collected data. PI Manual Logger™ from OSIsoft gives you a flexible and affordable tool for digitally collecting manual data and seamlessly combining it with your other, automated, instrumented data.

A typical drawback of paper based data collection is that it's very easy for errors to get introduced both when the data is collected and when it's digitized. Such errors can include everything from transcription errors to wrong values to partially completed information to illegible handwriting. Digital data collection methods remove the potential for handwriting associated errors, which greatly improves data accuracy – but PI Manual Logger goes even further.

To simplify logging data, common text entries such as failure codes and common values can be pre-configured for your operators in easy to use drop-down lists. When data collectors with barcode/RFID scanners are used, barcodes/RFID can be collected as data values or used to guide data collection and drive data entry prompts. These features not only make it easier for your operators to find and log data, they standardize your information.



To further eliminate potential errors, PI Manual Logger includes configurable logic checks that help ensure data accuracy. For each data value you collect, you can specify HiHi, High, Low, LoLo, and Delta limits.

As the data is collected, PI Manual Logger checks the operator entered values against the limits and, if they exceed it, prompts the operator so they can double-check the value and take further action if needed. Collected data can also be sent to supervisors for review and approval prior to being uploaded to the PI Data Archive™.

With plants that can stretch for miles, equipment the size of football fields, and manual data scattered across the facility, optimizing collection routes becomes an important part of your data collection strategy. Without optimized routes, vital operator time (and money) can be wasted. PI Manual Logger uses configurable tours to group and optimize your data collection. With tours,



PI Manual Logger guides your operators through what data to collect, when, and where – operators see all the data in their current area that needs to be collected but only see the data that needs to be collected now. Tour schedules are fully configurable so you can easily build logic into your data collection, for example:

- collect the temperature everyday.
- collect the Chiller Compressor log every Tuesday at 10:00 a.m.
- check the safety equipment in building A January 1 and June 1.
- collect the valve position if the temperature is below freezing.

Customizable instructions can be included in your tours so operators have information they need on how to collect data, how to handle exceptions, etc. as they are collecting information along their route.

With sophisticated tours and conditional data collection prompts, you can ensure that all your data – from everyday values to once in a while information – is collected and preserved.

PI Manual Logger works on a variety of devices including: PCs, tablets, iOS devices, Android devices, and handheld data loggers. PI Manual Logger also supports both wired and disconnected data collection. With the flexibility in the devices you use, the freedom to collect data even when you don't have network access, and a robust solution that handles the full breadth of your manual data, PI Manual Logger makes it easy for you to implement an enterprise level solution to collect and seamlessly integrate all your manual data.



PI Manual Logger does more than just digitizing manual data collection; it provides a vital bridge to integrate your manual data with your other enterprise information. PI Manual Logger takes into account the needs of both your operators and your data consumers. Features like dynamic tours, drop down data selections, conditional prompts, integrated SOPs, and barcode/RFID scanning make information easier for your operators to collect while data validation, standardized data values, and operator comments standardize and improve data quality for your end users. PI Manual Logger seamlessly integrates your manual data into the PI Server™ where it can be leveraged in calculations and analyzed (along with your other enterprise data) using PI System Tools like PI Coresight™, PI ProcessBook™, PI WebParts™, and PI DataLink™. With PI Manual Logger you have a flexible, scalable, and secure solution for collecting all your manual data, wherever it resides from the plant to the lab and everywhere in between. To learn more about the technical features of PI Manual Logger, please visit <https://techsupport.osisoft.com/Products/PI-Visualization/PI-Manual-Logger/Overview>.



## About OSIssoft, LLC

OSIssoft, a global leader in operational intelligence, delivers an open enterprise infrastructure to connect sensor-based data, operations, and people to enable real-time and actionable insights. As the maker of the PI System, OSIssoft empowers companies across a range of industries in activities such as exploration, extraction, production, generation, process and discrete manufacturing, distribution, and services to leverage streaming data to optimize and enrich their businesses. For over thirty years, OSIssoft customers have embraced the PI System to deliver process, quality, energy, regulatory compliance, safety, security, and asset health improvements across their operations. Founded in 1980, OSIssoft is a privately-held company, headquartered in San Leandro, California, U.S.A, with offices around the world. For more information visit [www.osisoft.com](http://www.osisoft.com).

Disclaimer: OSIssoft, LLC does not endorse any device, manufacturer or vendor; images shown are for illustration purposes only.

All companies, products and brands mentioned are trademarks of their respective trademark owners.

© Copyright 2015 OSIssoft, LLC | 777 Davis Street, San Leandro, CA 94577 | [www.osisoft.com](http://www.osisoft.com)

BRMLEN-031615