

PLANTWEB ADVISOR FOR METROLOGY

Managing System Uncertainty

Plantweb Advisor for Metrology Functionality

Plantweb Advisor for Metrology is Emerson's new modular analytics platform. It is built upon the latest technologies, providing a suite of functions and flexibility that are unprecedented within the measurement world today. This next-generation platform provides a level of standardization and automation of complex tasks that integrate seamlessly across measurement assets and engineering support locations.

The enhanced diagnostic, remote monitoring, predictive capabilities and validation provide greater insight into both process and instrumentation, driving clarity and reducing financial exposure and risk.



A metering system's uncertainty provides direct insights into the financial exposure your organization faces on that asset. That's why it is critical to calculate and monitor uncertainty dynamically throughout the system's lifecycle. For this purpose, Plantweb Advisor for Metrology offers uncertainty calculation software. This software module uses available calibration and diagnostics data from all individual instruments to calculate relative expanded uncertainty (95% confidence level). It also offers:

- Uncertainty fingerprinting which enables dynamic uncertainty calculations during live operation
- The ability to run uncertainty calculations on a pre-defined frequency (e.g. daily) or based on an event (instrument calibration/alarm condition)
- Full system and individual device uncertainty calculations
- Customizable alert limits for monitoring the system over time
- The ability to create dashboards, trends and reports with ease
- Simple user interface that reduces the need for specialist knowledge

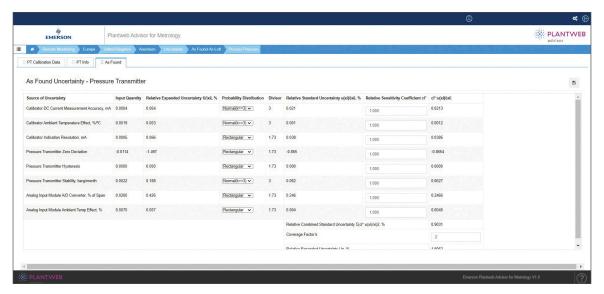


The System Uncertainty Module ensures visibility into a system's measurement uncertainty, providing the tools to understand and reduce financial exposure and risk.

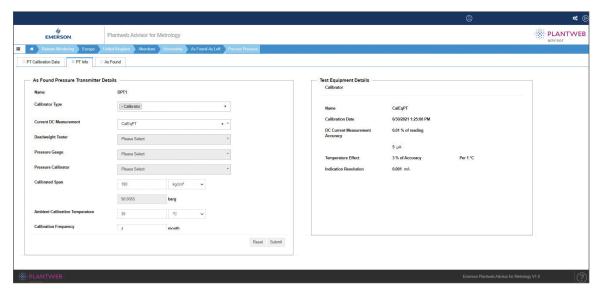


System Uncertainty Dashboards

A number of dashboards are provided to give at-a-glance performance indication, alongside current and historical trending and configurable reports. The Systems Uncertainty Module is integrated with the full suite of Plantweb Advisor for metrology modules, giving a holistic overview of the measurement system.



Uncertainty Setup



Uncertainty Details

The Emerson logo is a trademark and service mark of Emerson Electric Co. Rosemount is a registered trademark of one of the Emerson family of companies. All other marks are the property of their respective owners. ©2023 Emerson Electric Co. All rights reserved.

