

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..

Meter Factor Trending Module

Pulse meters require periodic checks and calibrations to ensure they perform optimally. Having an automated, online tool that gives a degree of confidence in the performance of the device. For this purpose, Plantweb Advisor for Metrology offers meter factor trending software. This software module interfaces to the ultrasonic flow meter either directly or via a flow computer/ supervisory/DCS, taking the diagnostic data from the device and offers the following functionality.

This software module interfaces to the meter either directly or via a flow computer/supervisory/DCS, taking the meter factor or k-factor data and offering the following functionality:

- Base meter factor curve
- Historic meter factor curve
- Current meter factor curve
- · Average and standard deviation limits
- · Historic database of proving results



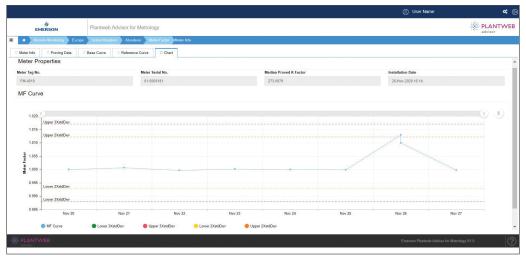


Meter factor trending can detect drifts and deviations from the baseline which allows you to predict failures and plan preventative maintenance before the device fails.



Meter Factor Curve Dashboards

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



Meter Factor Chart

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EMERSON Plantwe	eb Advisor for N	Aetrology								PL	ANTW	
Remote Monitoring Europe United Ki	ngdom Aberdeer	n Meter Factor	Meter Info	ч			د مد وم	جينية ج	John State			
Meter Info D Proving Data Base Curve	Reference	Curve Chart	t									
MeterTag		Meter Serial No.				Median Proved K Factor				Installation Date		
FM-4010		• 01-5000181			273.0979			26-Nov-2020 16:14				
Top 10 Records Historical Records		From			То			Reset	Submit			
		Start Date		8	End Date			Reset	Submit			
Input Data (9) MeterTag: FM-4010											:	
Series Sequence Lifting No.	Series Sequer		Meter Factor	Pressure		Temperature	Densit	у		Proving Flow Rate		
Series Sequence Lifting No. 01	20-Nov-2020 1	0:20	1	45		40	45	у		4895	:	
Series Sequence Lifting No. 01	20-Nov-2020 1 21-Nov-2020 1	0.20	1 1.0007	45 45		40	45 68	у		4895 7551		
Series Sequence Lifting No. 01 02	20-Nov-2020 1 21-Nov-2020 1 22-Nov-2020 1	0.20 0.22 0.23	1 1.0007 0.9997	45 45 51		40	45	у		4895 7551 8296		
Series Sequence Lifting No. 01 02 03	20-Nov-2020 1 21-Nov-2020 1	0.20 0.22 0.23	1 1.0007	45 45		40	45 68	у		4895 7551		
Series Sequence Lifting No.	20-Nov-2020 1 21-Nov-2020 1 22-Nov-2020 1	0.20 0.22 0.23 0.24	1 1.0007 0.9997	45 45 51		40 61 61	45 68 76	у		4895 7551 8296		
Series Sequence Lifting No. 01 02 03 04	20-Nov-2020 1 21-Nov-2020 1 22-Nov-2020 1 23-Nov-2020 1	0.20 0.22 0.23 0.24 0.25	1 1.0007 0.9997 1.0002	45 45 51 51		40 61 61	45 68 76 48	у		4895 7551 8296 8306		
Series Sequence Lifting No. D1 02 03 04 05	20-Nov-2020 1 21-Nov-2020 1 22-Nov-2020 1 23-Nov-2020 1 24-Nov-2020 1	0.20 0.22 0.23 0.24 0.25 0.27	1 1.0007 0.9997 1.0002 1	45 45 51 51 60		40 61 61 61 55	45 68 76 48 80	у		4895 7551 8296 8306 7349		
Series Sequence Lifting No. 01 02 03 04 05 05 06	20-Nov-2020 1 21-Nov-2020 1 22-Nov-2020 1 23-Nov-2020 1 24-Nov-2020 1 25-Nov-2020 1	0.20 0.22 0.23 0.24 0.25 0.27 0.28	1 1.0007 0.9997 1.0002 1 0.9999	45 45 51 51 60 35		40 61 61 61 55 40	45 68 76 48 80 97	у		4895 7551 8296 8306 7349 8316		

Meter Factor Proving Data

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00807-1700-4541 Rev AA

