

Datasheet: KELTON MeterManager™



Introduction

KELTON MeterManager is a fully integrated software suite to manage all fiscal measurement activities. It provides operators with a cost-effective system that reduces expenditure over the life of the metering system and risk to business.



Features

- Instrument management
- Flow measurement calculations
- Document management
- Meter proof validation
- Integration with existing measurement computer systems
- Integrated electronic logbook with automatic logging
- Fully configurable

Benefits

- Single solutions for the management of measurement
- Reduces exposure to costly mis-measurement
- Demonstrates compliance with agreements and regulations

Objectives of KELTON MeterManager

- To ensure fiscal metering systems are under control from operation through to reporting
- Build a history to demonstrate compliance with is readily available
- Configured to match the clients' system so that the results of all activities are saved in a clearly structured database under the appropriate metering system, stream and instrument tag
- Provide a complete history of instrument movements and performance including test and calibration results, standards and tolerances used, proof history, and interventions all recorded along with personnel involved in each activity
- To be fully scalable

The above is achieved by the implementation of various software applications, the provision of adequate training for relevant personnel, the correct level of support, production data analysis, reporting systems, equipment and procedures.

KELTON have implemented systems ranging from those managing multiple sites spread across various geographical locations with the data stored in a central database to a single system with all components installed on a self-contained laptop.

A powerful SQL database and a client/server configuration are used to securely store data and make it accessible throughout the clients' organisation.

About KELTON™

Fully accredited, KELTON is the leading independent measurement consultancy and software developer for the oil and gas industry. For well over two decades, KELTON has helped many international and national operators to ensure their full compliance with industry regulations. Whether clients require inspection, auditing or certification as part of System Compliance, uncertainty calculations for System Assurance or System Support – in KELTON they find a partner they can trust.

Services include:

- System Compliance
 - Inspection
 - Audit
 - Certification
- System Assurance
 - Design uncertainty
 - Modelling uncertainty
 - System uncertainty
- System Support
 - Manual/guidelines
 - Procedure generation
 - Educational
- Measurement Software
 - Desktop applications
 - Database applications
 - Pipeline applications

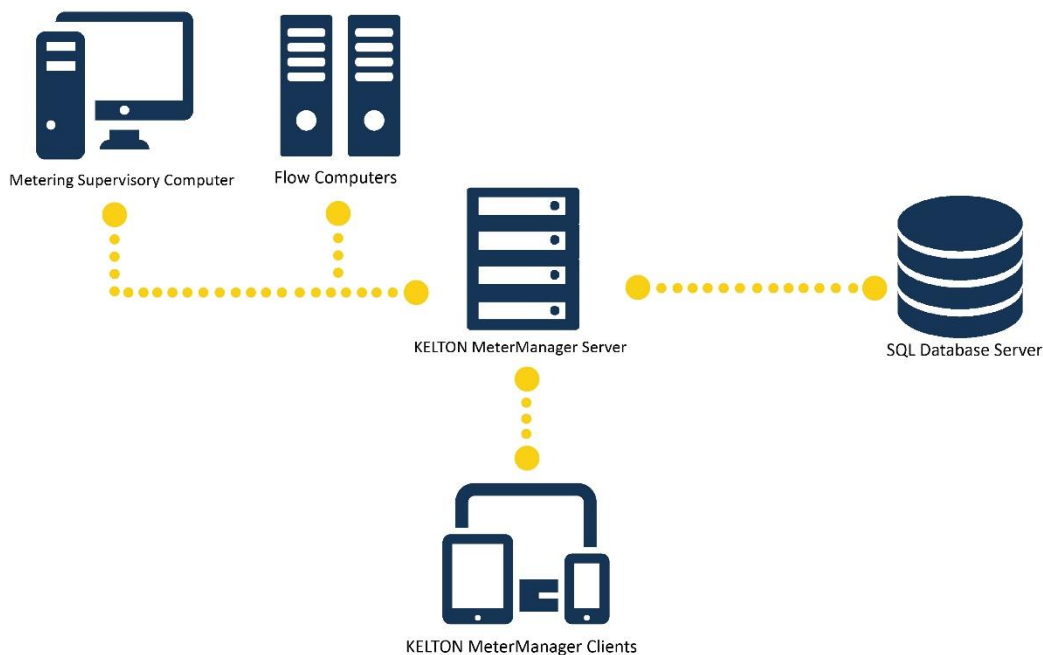
KELTON encompasses ISO/EN 9001 & 14001, BS/OHSAS 1800 and UKAS type 'C' Accreditation, is Microsoft Certified and is recognised as an Investor in People. Support is available from three strategic locations; UK, Qatar and Abu Dhabi.

If additional information is required visit:

www.kelton.co.uk



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KELTON MeterManager Applications

The KELTON Instrument Management application manages and records all activities relating to the validation of a metering system, from flow computation and integration checks to the calibration of primary and secondary instrumentation. This flexible application can be configured to match calculation options, calibration procedures, resolution and tolerances.

The KELTON Integrated Electronic Logbook application records a full history of all events pertaining to a measurement system using operator defined templates to ensure consistency. Events can be logged manually or automatically, taking data from KELTON MeterManager applications. Events such as streams going on-line can be recorded automatically by monitoring OPC tags and values can be read from metering computer system. The application differs from a paper logbook in that it can be filtered, sorted, searched and accessed across a network.

The KELTON Document Management application will help control the documentation required to manage a metering system.

The KELTON Meter Performance Monitoring application manages meter proving activities and is a powerful tool utilising robust statistical techniques to validate each proof. As the validation criteria may differ between metering stations, the system can be configured to match the chosen method including control charts, performance curves and deviation from previous proofs.

The KELTON Dynamic Uncertainty ensures the system uncertainty calculated is dynamically updated to match system process conditions. The application allows process data to be read via OPC, results to be stored securely in a database and visible across an organisation. Uncertainty calculations can be run at a user defined frequency or triggered based on an event or parameter value changing.

KELTON MeterManager Users

Over many years a number of International and National Operating Companies have adopted KELTON MeterManager as their chosen method of managing their metering systems. Customers include; Shell UK Limited, BP Exploration Operating Company Ltd, RasGas Company Limited, Qatargas Operating Company Limited, BP Exploration (Epsilon) Ltd and Chevron Australia Pty Ltd (both Gorgon and Wheatstone assets). System integrators such as Emerson Management Asia Pacific, Pte Ltd, Alderley Dubai and Swinton Technology Ltd also offer a KELTON MeterManager solution to their customers.