

# Datasheet:

## Software Applications

### Features & Benefits Summary



Type	Application	Description	Features	Benefits
Desktop	FLOCALC™ (downloaded from <a href="http://www.kelton.co.uk">www.kelton.co.uk</a> as a standalone application)	The KELTON™ calculation package containing the most comprehensive set of calculations available to flow measurement engineers.	<ul style="list-style-type: none"> <li>▪ Vast library of traceable calculations</li> <li>▪ Based on industry standards</li> <li>▪ Excel 2010 and 2013 compatible</li> <li>▪ Current and historical standards included</li> <li>▪ Calculations verified by separate independent and proven software</li> <li>▪ Save, retrieve and export results</li> <li>▪ Print calculation reports</li> </ul>	<ul style="list-style-type: none"> <li>▪ Easy to use</li> <li>▪ Independent</li> <li>▪ Portable</li> <li>▪ Saves time and money</li> <li>▪ Accurate and dependable</li> <li>▪ Fully traceable</li> <li>▪ Designed and developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>
Desktop	UNCERTAINTYPLUS™ (downloaded from <a href="http://www.kelton.co.uk">www.kelton.co.uk</a> as a standalone application)	The KELTON stand-alone application to independently assess the uncertainty of a metering system for a given set of operating conditions	<ul style="list-style-type: none"> <li>▪ Fully traceable uncertainty calculations</li> <li>▪ Selection of modules available for different metering systems</li> <li>▪ Uncertainty calculated for all common secondary instrumentation</li> <li>▪ Uncertainty calculations can be configured and saved as files</li> <li>▪ Full reports can be saved and printed</li> <li>▪ Portable – network is not required</li> <li>▪ Uncertainty calculated over a range of process conditions or production profiles</li> </ul>	<ul style="list-style-type: none"> <li>▪ Compliance is demonstrated</li> <li>▪ Meaningful comparisons between measurements</li> <li>▪ Calibration intervals optimised and uncertainty based, saving money</li> <li>▪ Designed and developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>
Database	Instrument Management System (delivered as a KELTON MeterManager application)	The KELTON instrument management system manages and records all activities relating to the validation of a metering system. The flexible application can be configured to match calculation options, calibration procedures, resolution and tolerances.	<ul style="list-style-type: none"> <li>▪ Vast library of traceable calculations</li> <li>▪ Instrument management</li> <li>▪ User configurable</li> <li>▪ Generic test forms configured to match procedures and equipment</li> <li>▪ Secure history</li> <li>▪ Fully scalable</li> <li>▪ Integrates with other applications and with flow computer systems as standard</li> </ul>	<ul style="list-style-type: none"> <li>▪ Streamlines and provides visibility of calibration activities</li> <li>▪ Improves accuracy and efficiency</li> <li>▪ Reduces exposure to costly mis-measurement</li> <li>▪ Demonstrates compliance with agreements and regulations</li> <li>▪ Developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>

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Database	Integrated Electronic Logbook (delivered as a KELTON MeterManager application)	The KELTON integrated electronic logbook designed to automatically log events and provide visibility of metering operations across an organisation.	<ul style="list-style-type: none"> <li>▪ Available across entire organisation</li> <li>▪ User configurable templates</li> <li>▪ Automatic logging of KIMS.net calibration activities</li> <li>▪ Automatic logging of K-TRAC.net proving activities</li> <li>▪ Integrates with flow computer systems</li> <li>▪ Automatic logging of operations</li> <li>▪ Automatic email notification</li> </ul>	<ul style="list-style-type: none"> <li>▪ Improves quality and accessibility of data</li> <li>▪ Fully auditable</li> <li>▪ Saves time and money</li> <li>▪ Reduces duplication of data entry</li> <li>▪ Accurate and dependable</li> <li>▪ Developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>
Database	Document Management System (delivered as a KELTON MeterManager application)	The KELTON document management system has been designed to manage and control the documentation required to support a metering system.	<ul style="list-style-type: none"> <li>▪ Fully configurable</li> <li>▪ Integrated with all database applications</li> <li>▪ Calibration certificates linked to equipment record</li> <li>▪ Procedures are visible from KIMS.net tests</li> <li>▪ Tolerance manual</li> <li>▪ Other relevant documentation</li> <li>▪ Version control</li> <li>▪ Access controlled by user and site</li> <li>▪ Option to store files or links to network files.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Management of system documentation</li> <li>▪ Centralised documentation</li> <li>▪ Visible across sites</li> <li>▪ Industry standards</li> <li>▪ Traceability</li> <li>▪ Fully auditable</li> <li>▪ Developed and supported by KELTON IT &amp; professionals</li> </ul>
Database	Meter Performance Monitoring (delivered as a KELTON MeterManager application)	The KELTON turbine meter regression analysis and control application uses proven statistical techniques to give confidence in meter proving. It monitors the performance of all pulse generating flow meters including turbine meters and positive displacement meters when calibrated on-line using a meter proving system.	<ul style="list-style-type: none"> <li>▪ Predictive techniques with total reliability</li> <li>▪ Choice of validation options including control charts and performance curves</li> <li>▪ Configured to match requirements</li> <li>▪ Automatic proving</li> <li>▪ Analysis database</li> <li>▪ Calculate sensitivity to changing process conditions</li> <li>▪ Seamless integration other applications</li> </ul>	<ul style="list-style-type: none"> <li>▪ Control and analysis made easy</li> <li>▪ Ensures compliance</li> <li>▪ Records a fully auditable history</li> <li>▪ Confidence in meter factor and measurement</li> <li>▪ Reduces proving validation time</li> <li>▪ Trusted performance monitoring</li> <li>▪ Developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>

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Database	UNCERTAINTYLIVE™ (delivered as a KELTON MeterManager application)	UNCERTAINTYLIVE ensures the uncertainty calculated is dynamically updated to match process conditions and composition. UNCERTAINTYLIVE allows process data to be read via OPC, results to be stored securely in a database and visibility across an organisation. Uncertainty calculations can either be run at a user defined frequency or triggered based on an event or parameter value changing.	<ul style="list-style-type: none"> <li>▪ Fully traceable uncertainty calculations</li> <li>▪ Uncertainty recalculated as process conditions change</li> <li>▪ Uncertainty written back to Flow or Supervisory computer system</li> <li>▪ Uncertainty visible across entire organisation</li> <li>▪ Full report available for every saved result</li> <li>▪ Uncertainty based alarms</li> <li>▪ User configurable</li> </ul>	<ul style="list-style-type: none"> <li>▪ Compliance is demonstrated</li> <li>▪ Meaningful comparisons between measurements can be made</li> <li>▪ Calibration intervals can be optimised and uncertainty based</li> <li>▪ Developed and supported by KELTON IT &amp; flow measurement professionals</li> </ul>