GE
Measurement & Control

Intecal v10

Calibration Management Software

Intecal v10 is a simple to use software application for managing the calibration cycles and historical data of process instrumentation. It provides an asset database with defined procedures that can be downloaded to portable field calibrators, or run in real-time with workshop and laboratory calibration equipment.

Features

- User accounts and access levels
- Asset database
- Automated scheduling
- Defined procedures
- Supports portable field and fixed workshop calibrators
- Data analysis, certificate generation, archiving
- Extensive connectivity including the DPI 611, DPI 612, DPI 620 and PACE series of instruments

GE imagination at work

Intecal v10 Calibration Management Software

Intecal v10 is an easy to use calibration management software application for generating calibration procedures, automating calibrations, scheduling work and documenting results. It has been developed to help meet demands for increasing efficiency and automation within the test and calibration process.

Efficient calibration management

Intecal v10 provides a platform for the efficient calibration management of process instruments by working in conjunction with the wide range of GE test and calibration equipment to:

- Maximize calibration/maintenance productivity
- Fully automate the calibration process
- Optimize product quality
- Lower production costs
- Reduce the burden of ISO 9000, etc.
- Eliminates errors
- Provided audit ready documentation

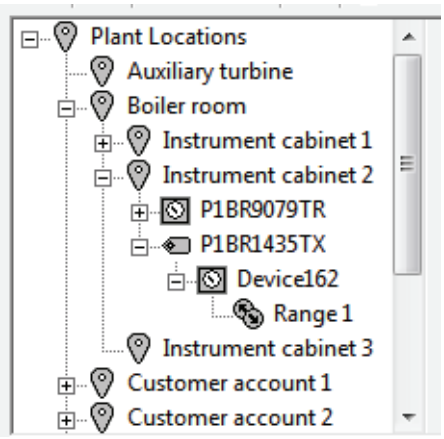
An easy to use and flexible system

Intecal v10 provides all the features for the calibration management of most measurement instruments:

- Supports tag numbers and asset numbers
- Organise by locations or accounts
- Compatible with GE Druck test and calibration equipment and PACE controllers in addition to third party calibrators using FCINTF
- Time-based calibration scheduling
- Supports both reusable and one-off work orders
- Historical records and data archive
- Export calibration reports to .pdf, .doc and .xls
- Multi-lingual
- Comprehensive help and support

Familiar database architecture

Intecal v10 uses the familiar Windows Explorer tree view of nested folders and files to represent a site or plant broken down into locations and sub-locations. Tags or Assets can be added at any level within the hierarchy. Equally, a service company can organise work into client account folders further broken down into site locations.



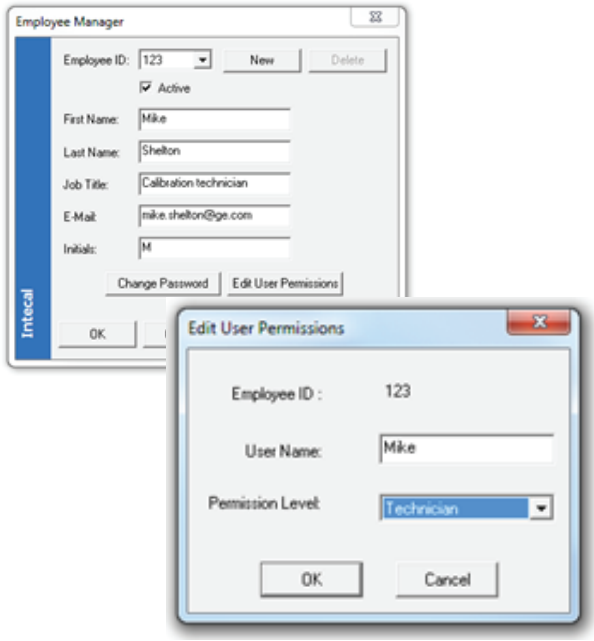
Intecal v10 supports both tag and asset cataloguing. A tag is defined as a location on the plant to which a device is allocated. The device may change over time whilst the tag remains the fixed reference, therefore the history for a tag will include the performance data for all the devices installed in that fixed location. An asset is a unique reference assigned to a new device when it is first commissioned and which remains with the device for its serviceable life. The device is simply the instrument that requires calibration.

A secure system for users and data

To prevent unauthorized editing of data, Intecal v10 uses a four tier password-protected security system. Database management is exclusive to the supervisor and administrator while the technician user is permitted to create work orders and transfer data between PC and field calibrators. Auditors and QA personnel can be granted read only access.

Employee Manager

Using the Employee Manager tool, authorized employees are issued with a user I.D. which embodies their unique e-signature used to invoke calibration procedures and save data. The employee



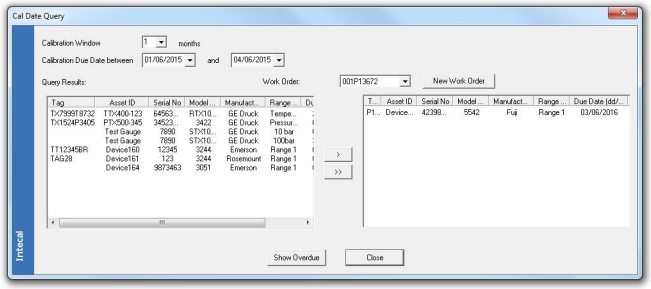
Detailed Instrument Records

The 'function' pane is the direct portal to the device/ asset database containing the following:

- Manufacturer, model number and serial number of instrument, the input and output range data and calibration pass/fail criteria
- Generic test procedures and work orders to assist resource planning
- Archived calibration history and reports, including as found/as left data complete with graphs

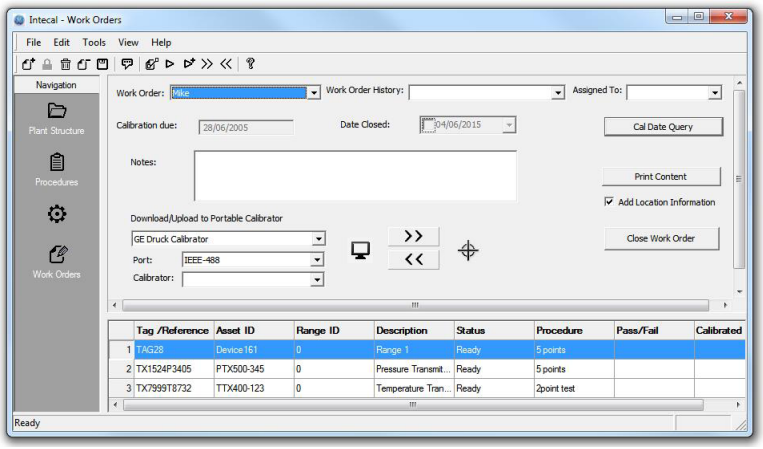
Time-Based Scheduling

A time-based search engine quickly identifies devices due or overdue for calibration. This simple but powerful resource management tool helps plan routine calibration and outage maintenance



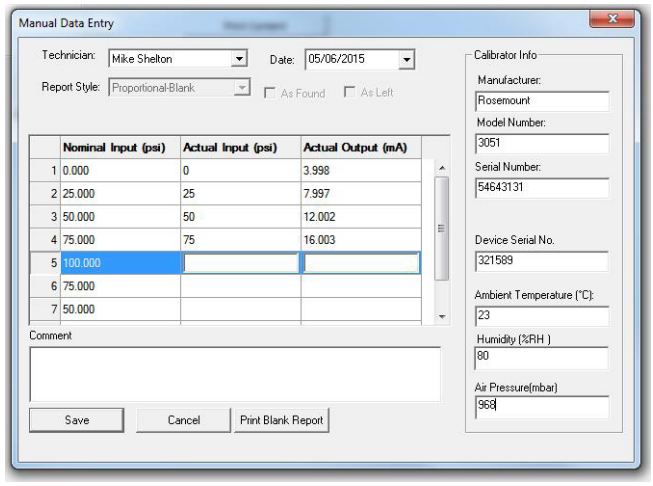
Virtually Hands-Free in-the-field Calibration

Portable documenting calibrators can be programmed with object lists and test procedures. In the field these routines are executed automatically to prepare the calibrator for the specific test and to automatically sequence the calibration to the predefined procedure. The device error is indicated with the PASS/FAIL status and both As Found and As Left calibrations are supported. This automation promotes uniformity and eliminates human errors.



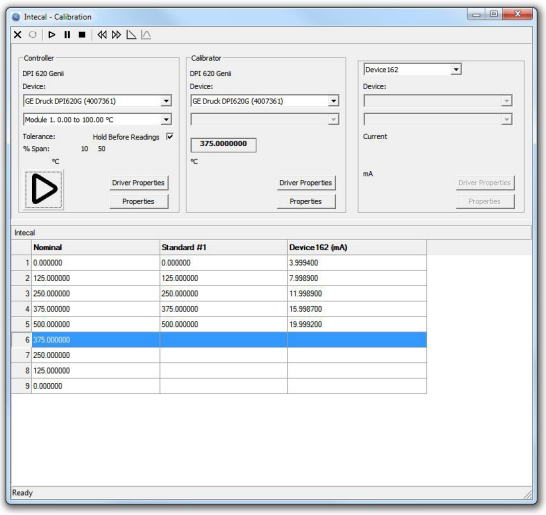
Calibrator Not Supported – Enter The Data Manually

Calibrators and test equipment without an FCNTIF interface or without serial communications are supported with a manual data entry facility. Calibration results are entered as the test proceeds, or alternatively, results recorded from field calibrators can be entered later. This feature provides compatibility for any equipment within the Intecal system.



Automation for the calibration test bench

Calibration systems can be configured to meet specific test and accuracy requirements with the flexibility to have up to three instruments working together. This includes an instrument for setting/controlling the input parameter, a standard for measuring the input and a standard for measuring the output. These systems can be fully automated or allow manual control and data entry for non-compatible standards or devices under test.



Calibration Reports

Calibration certificates can be formatted, approved and archived in a paperless environment. Alternatively they can be printed or exported in a clear logical format that complies with the requirements of quality approvals such as ISO 9000. As found and as left results are detailed in numerical and graphical form including pass/fail status, and important information about the device calibrated, the calibrator used and the technician.

Calibration Standards

Our instruments are calibrated with precision equipment traceable to international standards.

Portable field calibrators

The following calibrators have a standalone documenting capability and can connect with Intecal v10 periodically to accept work orders/procedures and to upload data from completed calibrations.

- DPI 620 and 620Genii multifunction calibrator series
- DPI 611 hand held pressure calibrator
- DPI 612 Flex range flexible pressure calibrators
- DPI 325 high pressure pneumatic calibrator
- DPI 335 high pressure hydraulic calibrator
- DPI 605 precision pressure calibrator
- DPI 615 pressure calibrator
- MCX II precision multifunction calibrator
- TRX II multifunction calibrator

Test bench and laboratory instruments

The following instruments work in real time when connected to Intecal v10.

- PACE 5000 and 6000 pressure controllers
- DryTC and LiquidTC dry block and liquid bath temperature calibrators
- DPI 620 and 620Genii multifunction calibrator series
- DPI 611 hand held pressure calibrator
- DPI 612 Flex range flexible pressure calibrators
- DPI 320/325 high pressure pneumatic calibrator
- DPI 330/335 high pressure hydraulic calibrator
- DPI 605 precision pressure calibrator
- DPI 610/615 pressure calibrator
- MCX II precision multifunction calibrator
- TRX II multifunction calibrator
- DBC 150 and 650 temperature calibrators
- DPI 150 pressure indicator

Ordering information

Part number INTECAL10

Intecal v10 includes the following languages: English, Chinese, German, Spanish, French, Italian, Japanese, Dutch, Portuguese, Russian, Polish and Swedish.

Intecal v10 System Requirements

Windows XP, 7 and 8 32 or 64 bit operating systems

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