

Data Management Software



insight from Casella



L_{Aeq} COSHH
data management **Noise** **EH40** **Vapours** **PPD** **WBGT** **PMW** **Fume** **L_{EX,8h}** **VOC's**
Octave **TWA** **Dusts**

Introduction

Casella **insight** data management software provides Health and Safety professionals with a more advanced solution for downloading, managing and reporting exposure data for a variety of occupational hazards.

Rather than using several software applications to download from many instruments, Casella **insight** allows data to be downloaded and stored into one versatile package. This means that only one application has to be learnt!

Data is stored on a centralised database which may be managed by Person, Place or Process criteria. Data can be viewed in tabular or graphical format and analysed as necessary. Uniquely, reports can be generated combining multiple hazards simultaneously. They may be displayed by Person, Place etc as required.

Key Features

- Supports Multiple Instruments
- Report Multiple Exposure Parameters
- Safe and Secure Data Management
- Manage Instrument Inventory and Calibration
- Intuitive User Interface
- Quickly Generate Comprehensive Reports
- Tabular and Graphical Analysis of Data
- Import Data from Existing Casella Packages
- Add New Instruments in the Future
- Share Information Easily with Others
- Integrated Help System

Applications

- Occupational Exposure Assessment
- Compliance with Health & Safety Legislation
- Record Keeping of Occupation Exposures
- Reducing Occupational Exposure
- Exposure Source Identification

The screenshot displays the Casella insight software interface. At the top, there's a window titled 'CEL-054 Result Data - 895314 - 16/03/2009 13:55:21 - Casella Data Manager'. Below this is a table with columns: Serial Number, Start Date & Time, Duration (HH:MM:SS), End Date & Time, Status, Avg, Comb, L50, L50h, P50, and L50h. The table contains several rows of data with alternating green and red background colors. To the left of the table is a tree structure for managing data, with nodes for 'My Results', 'Downloaded (unassigned)', 'App: T10 (2)', 'OS: 422 (2)', 'Acc: 0', 'England', 'Bedford', 'Machine Shop', 'M16 010', 'General Management', 'William Gibson', 'Average East', 'Milling Machine', 'Jim Callaghan', 'Jonathan Roger', 'Gordon Brown', 'Margaret Walker', 'Terry Ware', 'Dance', 'Service', 'Fest', and 'Production'. Below the table are two graphs. The left graph is a line chart titled 'Summary Profile' showing 'Heavy Press' and 'Tool Dropping' over time. The right graph is a bar chart titled 'Summary Overview' showing 'LAeq' values for different categories: 50 Hz, 63 Hz, 80 Hz, 100 Hz, 125 Hz, 160 Hz, 200 Hz, 250 Hz, 315 Hz, 400 Hz, 500 Hz, 630 Hz, 800 Hz, 1000 Hz, 1250 Hz, 1600 Hz, 2000 Hz, 2500 Hz, 3150 Hz, 4000 Hz, 5000 Hz, 6300 Hz, 8000 Hz, 10000 Hz. Annotations with lines pointing to the interface elements are as follows:

- Switch between managing data or instruments with simple tabs (points to the top navigation tabs)
- Simple tree structure to manage data e.g. person, place, etc. (points to the left-hand tree structure)
- Time history may be viewed, analysed and annotated as required (points to the 'Summary Profile' line graph)
- Sort data by person, process, etc. (points to the bottom-left navigation pane)
- Multiple parameters can be displayed and sorted simultaneously (points to the table columns)
- Data can be dragged and dropped to the tree structure as required (points to the table and tree structure)
- Data may be graphed and copied to other applications (points to the 'Summary Overview' bar chart)

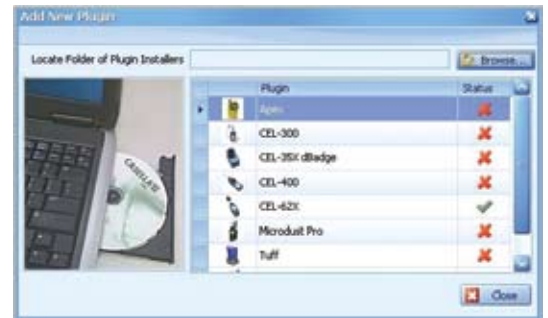
Simple Instrument Configuration and Download

- 'Plug & Play' Download of Instruments
- Calibration Management and Certificate Storage
- Add New Instruments as Required
- Import Data from Existing Casella Software Packages
- Share Data Easily with Other PC's or Colleagues

When an instrument is connected to Casella **insight**, it will automatically download stored data. Instruments can also be configured and controlled. If a new instrument is purchased, Casella **insight** can be remotely upgraded to activate the relevant 'plug-in'.

With occupational monitoring equipment, legislation requires periodic calibration to be performed. Casella **insight** will manage all your calibration dates and notify you when they are due, as well as storing calibration certificates.

Users of existing Casella software packages can import previously downloaded data. Likewise, data within Casella **insight** can easily be exported and sent to other colleagues or users, allowing data to easily be shared across organisations.



Adding additional instruments



Instrument calibration and configuration screen

Easy Data and Exposure Analysis

- Colour Code Results to Exposure Levels
- Analyse Time History Profiles
- Exposure Recalculations
- Analyse Exposure by Person, Place or Process

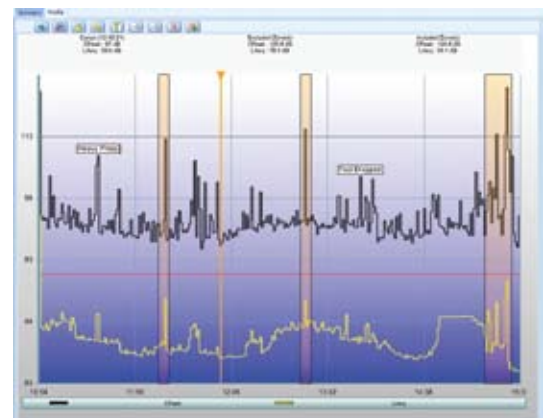
Exposure levels can be colour coded by a simple 'traffic light' system, it is easy to see which individuals or locations are exceeding action levels. Predefined action levels are provided for local legislation or can be defined as necessary.

For instruments that have stored the time history of levels (e.g. Noise Dosimeters), the stored profile can be analysed and graphs zoomed in to look at specific times. Graphs can be coloured as required, and notes inserted to illustrate important events.

Graphs can be further analysed by adding zones (shown right) which subsequently provides exposure levels inside and outside these zones. This allows the exclusion of extraneous events, breaks etc to provide comparative exposure calculations. Any exclusion zones added to data are retained with the data file.



Exposure data can be automatically colour coded according to exceeded action levels



'Exclusion' zones for each time history are stored and individual to each data file

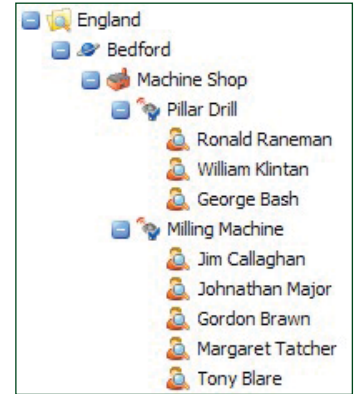
Manage Exposure Data and Easily Generate Reports

- Report Data from Multiple Exposure Hazards
- Built in Report Wizard Function
- Store Exposure Data by Name, Person, Place etc
- Store Data in a Simple Tree Structure
- 'Drag and Drop' to Organise Your Data

A simple 'tree view' can be created with which to store and manage data by person, place or process. Once data is downloaded, files can be dragged and dropped to the relevant tree location and all data is stored within a central database. Templates are provided to view data for local legislation (e.g.OSHA) or can be customised, displayed and reported simply or comprehensively as required.

Exposure data from multiple hazards such as noise and dust can be viewed and reported simultaneously. Reports can be stored in multiple formats (e.g .pdf, .jpg, or .csv) allowing them to be shared and viewed easily, as well as exported to other applications. To create a report, simply 'right click' on the appropriate part of the tree view and the report wizard allows creation of a report for people, processes etc from that part of the tree.

The integral report wizard allows reported parameters to be selected as required and report settings are retained for the next time it is used. Notes can be added to data, which appear on reports as required. This information could include details about the measurement and subsequent recommendations or actions required to reduce exposure.



Data can be stored and organised using a Tree View



Reports can be generated to include dust and noise results together, for example

Ordering Information

Part Number:	Description:
Insight-A	Casella insight Software
Insight-B	Casella insight CEL-600 Series Plug-in
Insight-C	Casella insight APEX & TUFF Pump Plug-in
Insight-D	Casella insight CEL-35X <i>d</i> Badge Plug-in

Licensing Information

The Casella **insight** Software (**insight-A**) is available free of charge and provides 30 days usage including demonstration data for all available plug-ins.

Registration is required for ongoing usage of the software by purchasing the relevant instrument plug-in (**insight-B**, **insight-C** or **insight-D**). Licenses are available for single or multiple PC users.

Minimum PC Specification

Operating System:	Processor:	1.3GHz
Windows XP (Service Pack 2)	RAM:	1GB
Windows Vista (Service Pack 1)	Free Disk Space:	1GB
Windows 7		

Casella **insight** may run on lower specification computers but the details quoted provide good software performance

Due to continual product development, specifications are subject to change without notice

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