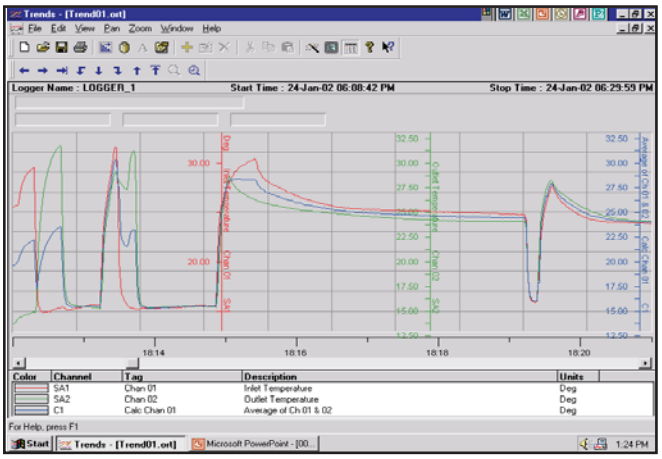
GOODBURN

DATA ACQUISITION SYSTEMS

IDAS

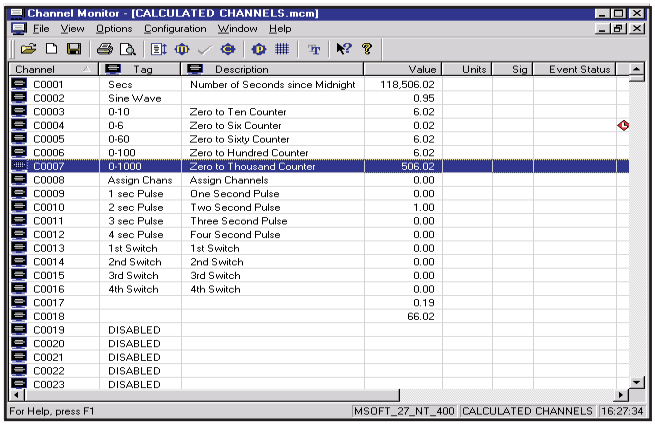
INDUSTRIAL DATA ACQUISITION SOFTWARE



- **Compatible with both Sigma and IMPS hardware**
- **Operates under Windows NT, 2000, XP, or Windows 7**
- **Data monitoring, logging and historical trending**
- **Real-time calculator for advanced functions**
- **Alarm processing with multimedia annunciation**
- **Data export facility to multiple formats**
- **Full Client-Server architecture**
- **Internet Server option**
- **Supports the OPC Data Access Standard**

SIGMA AND IMP COMPATIBILITY

By using the appropriate driver, IDAS can be used with both Sigma and IMPS data acquisition modules to monitor, log and display data from a wide variety of sensors. IDAS will automatically locate the different modules on a network and the will support the configuration of inputs and outputs within



DATA MONITORING

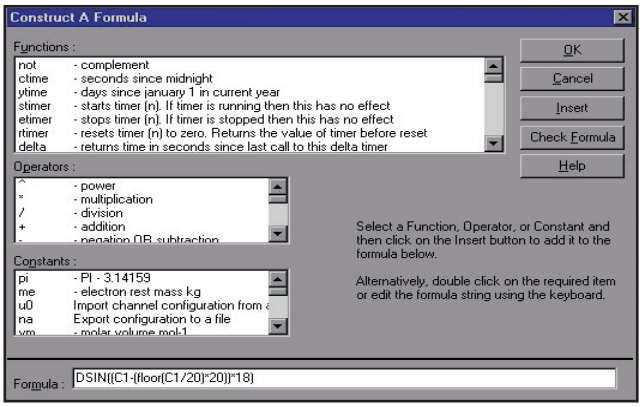
The IDAS channel monitor application allows users to view the data as it is recorded by the acquisition system modules. The monitor has a fully configurable screen display with independent sort criteria and can be run in full screen mode for ease of viewing.

DATA LOGGING

IDAS's data collection and logging capabilities provide the power to record important process or environmental data. It has multiple independent data loggers with an automatic start facility; period, event and period until event modes with separate logging rates; automatic scheduling, archiving and export of log cycles; continuous checking of disk space and an option to log data directly to Microsoft Access or SQL server databases via OPC

TREND GRAPHS

The IDAS trending display provides a powerful means of displaying, evaluating and selecting data for further processing. Data is displayed in real-time or replayed directly from existing log files and a number of separate trends can be displayed on the screen at the same time. Data can be isolated for further analysis or export to other packages using single click pan and zoom operations. The axes can be labelled



REAL-TIME CALCULATOR

Data can be calculated directly from the signal inputs using the real-time calculator. The calculator has built-in constants and statistical, trigonometric and logarithmic functions. It will also support steam table calculations. Calculations can be cascaded together to form complex logical sequences and the output can be logged, displayed, animated

ALARM PROCESSING

The software include advanced alarm processing. Each channel can be given a high and low event alarm, with programmable hysteresis, delays, priority level and display text. Alarms can be linked to a common output channel for annunciation purposes. Multimedia annunciation is supported, allowing alarms to be communicated using e-mail, pagers, mobile SMS or other electronic means. An alarm log records all the alarms triggered.

DATA EXPORT

IDAS can export data from log files to standard spreadsheet applications (i.e Excel) for reporting purposes.

MICROSOFT PLATFORM

IDAS is optimised to use the powerful real-time multi-tasking features of Windows 32-bit platforms. The fully implemented client/server architecture provides the means by which data displays and control can be distributed over a standard network. IDAS Server and IDAS Client will run on Windows NT 4.0, Windows 2000 XP and Windows 7. The system requires a Server licence as a minimum and additional Client licences can be purchased as required. IDAS Server can be set up as an embedded service to start automatically with no operator interaction. IDAS Client allows the operator to configure and monitor the system locally or over a LAN/WAN.

CONNECTIVITY

IDAS uses industry standard open connectivity systems. IDAS comes with an OPC (OLE for process control) client as standard, allowing data to be acquired from 3rd party OPC systems. The optional IDAS OPC server allows 3rd party applications to connect to IDAS data directly. IDAS is OPC Data Access 1.0a and 2.0 compliant. The optional ODBC (Open Database Connectivity) driver allows users to import/export configuration and real-time data from IDAS to standard databases such as Access, Oracle or SQL. IDAS also includes a DDE (Dynamic Data Exchange) server. This allows

INTERNET SUPPORT

IDAS trends, alarm and channel monitors can be hosted within Internet Explorer (Version 4 and above).This allows operators to use the web to monitor real-time and historical data from an internet connection. The data server must have IDAS Internet Server installed and the client machine must have IDAS Internet Client which is distributed free of charge.

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