

500 series
DataMod
tool

PROVIDING VISIBILITY TO YOUR PLANT PERFORMANCE

500-Series Data Log Collection and Reporting Tool

Report Name	Report Date	Start Time	End Time	Start Volume	End Volume
500-10000	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10001	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10002	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10003	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10004	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10005	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10006	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10007	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10008	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10009	2010-10-01	00:00:00	00:00:00	000,000	000,000
500-10010	2010-10-01	00:00:00	00:00:00	000,000	000,000

Windows Control data collection from DCS/PLC Load application

500-Series DataMod Tool Introduction

500 series
DataMod
tool

contrec SERIES 500
124.15
VOLUME m³

MEASUREMENT & CONTROL APPLICATIONS
ACCURACY | QUALITY | PERFORMANCE

15-day
FREE TRIAL

CONTREC – YOUR PROCESS PARTNER

Contrec

Engineered solutions for liquid assets (and more)

Highly accurate field controllers for critical environments

This industry provides one of the most diverse and challenging environments for instrumentation to operate in. There are constantly changing demands and the need is to provide solutions that will not only return faultless reliability in the harshest operating conditions, but also deliver the high accuracy and performance expected when measuring valuable commodities.

Contrec has been taking care of oil and gas applications for over 30 years and was one of the first electronic preset controller manufacturers to gain custody transfer approvals for the loading of oil products onto road tankers, rail and barge applications.

The 515 Series is based on an advanced, flexible and reliable hardware platform, while the functionality is determined by software that is specifically tailored to individual applications. With over 50 applications already created and a wealth of available input types, our specialised features such as the ability to linearise the flowmeter in inputs, ensures Contrec continues to help make good flowmeters even better.

Simple data extraction and report generation for your process variables

The Contrec DataMod Tool allows engineers and managers to quickly and easily keep up-to-date with what's happening in their plant. No need for expensive, customised SCADA packages. DataMod is a one-size-fits-all solution which allows you to extract critical live or logged operating data from your Contrec 515 instruments installed in the field and to generate reports and spreadsheets quickly and easily.

In Load, Batch or Site Access applications, DataMod can continually monitor the 515 controllers and allow managers to automatically generate and print a default or customised report (Transaction Docket) at the end of a transaction. This becomes a highly economical and efficient way to generate accurate and professional reports on the computer's existing office printer. For Load applications, Bill of Lading style report templates are provided as part of the standard DataMod install.

In Process Control or Flow Measurement applications, engineers can monitor various flows; whether it's liquids, steam or gas in the boiler house, fuel loading into tankers or effluent discharge from factories. Key information such as volume, mass, temperature, pressure, density, energy, power can all be accessed and scrutinised to ensure the production process is operating at optimum levels. The data can additionally be used to highlight potential problems on site. For example, where reduction in flow rates could be the result of a failing pump or sticking valve. This information can help save considerable costs in preventing serious equipment failure and lost production.

Key features:

- Collect logged data from 515 instruments installed in the field
- Display collected process data
- Generate PDF reports
- Automatically save and print reports for single or multiple Load, Batch or Site Access instruments
- Produce data in CSV format commonly used in 3rd party software
- Customisable reports (special custom templates also available)
- Industry standard Modbus RTU communication via serial port or TCP/IP (IoT solutions)
- Send email alert if live or auto data collecting is aborted
- Simple installation and configuration
- Software download from Contrec website
- Security and data integrity
- 15-day FREE TRIAL

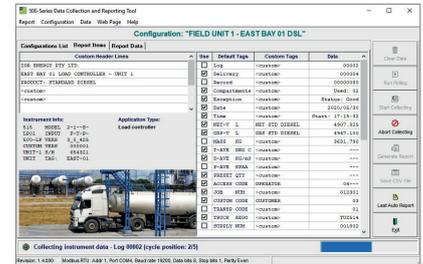
Applications:

- HVAC Facility Management (gas, steam, water, waste)
- Food & Beverage (batch control, ratio blending, dosing)
- Power Generation (oil, steam, compressed air)
- Oil & Gas (tanker loading, tank farms, additives, transfer)
- Marine (engine consumption, bunkering, safety systems)
- Nuclear (gas, cooling water, steam)
- Minerals and Mining (refuelling plant equipment, remote site access)

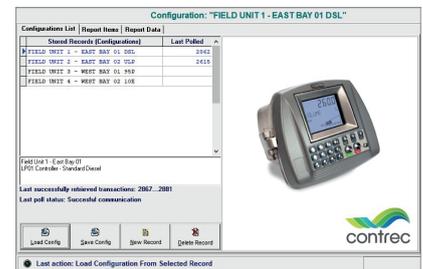


See the Full Picture

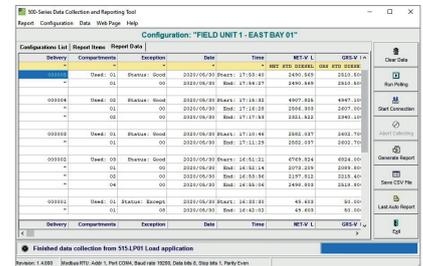
Managers are often required to produce regular reports on the performance of production facilities. These reports are vital for businesses to help control costs, plan effective production strategy and highlight potential problems. One example might be a steam boiler, installed several years earlier to handle the demand at that time. Over the years, production levels may have increased to such a degree that the boiler is now having to operate beyond its normal capability in order to keep up with demand. This increases the wear and reduces reliability of the boiler and also disproportionately increases the cost of gas supply needed to feed the boiler. Being able to track the steam usage in the plant, and pinpoint peaks and troughs, will allow managers to view the boiler's performance and make accurate, informed decisions on their capital expenditure.



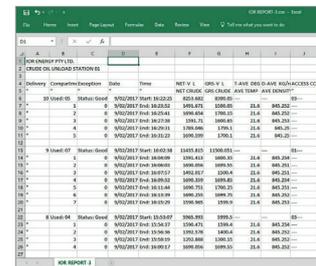
Connection and Variables Data Collection



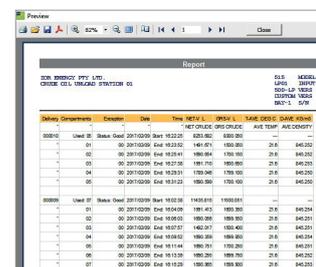
Load from Configuration List



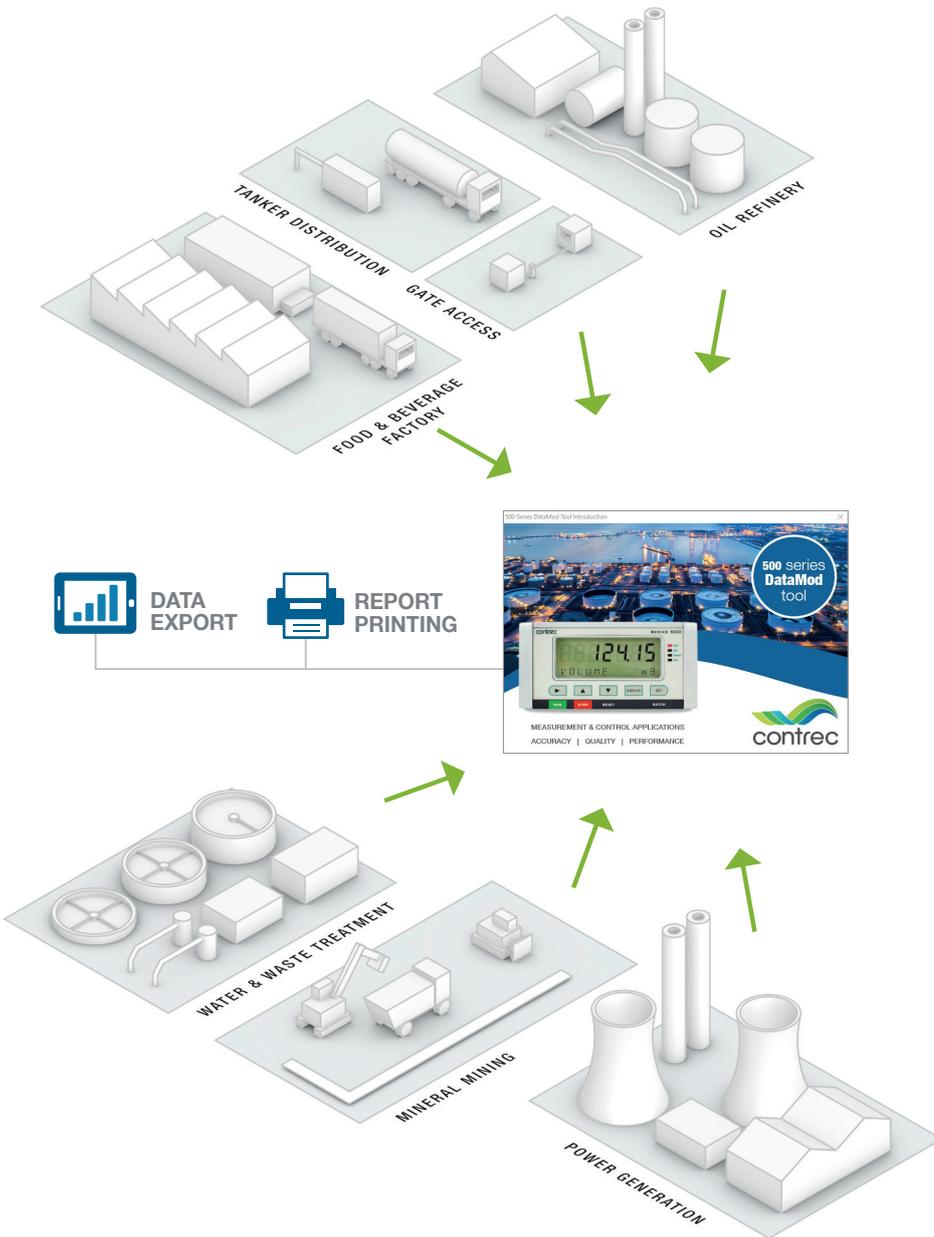
Collected Data Display



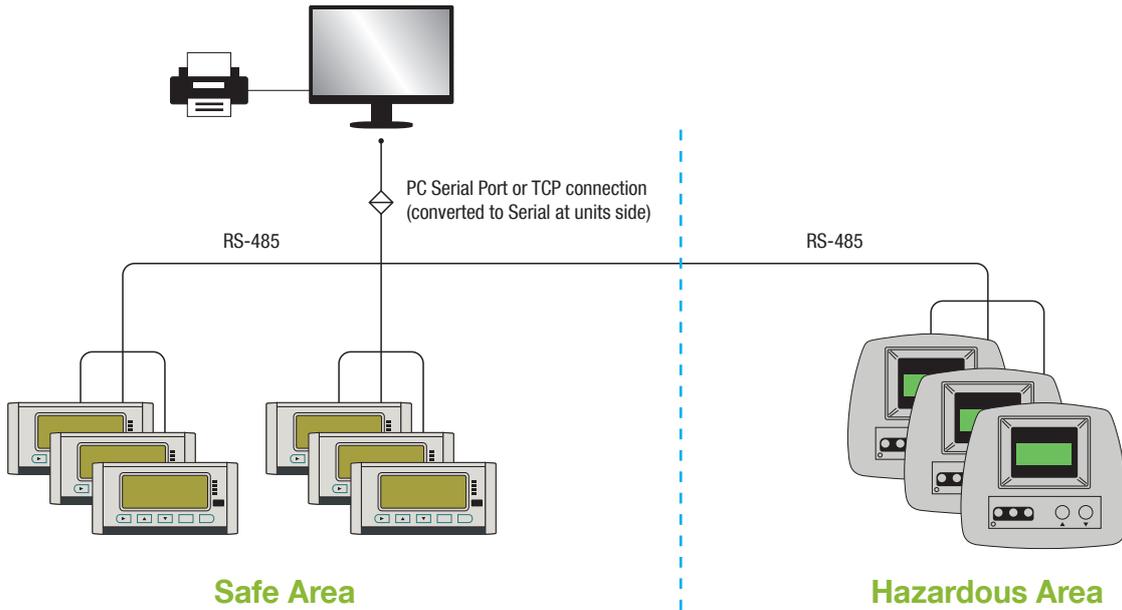
Export CSV File



PDF Report Preview



Simple Networking Structure



Systems Requirements

The 500 DataMod Tool has the following system requirements:

- Windows based Personal Computer
- 256MB Memory (or higher)
- 10MB available Hard Disk space
- Display Resolution 1024 x 768 minimum
- Serial Communications Port or TCP/IP connection *
- Microsoft Windows 7 (or higher), normal DPI setting
- PDF Reader, such as Adobe Acrobat Reader V4.0 or higher (to view/print generated reports)
- Internet access for email alerts and periodic software verification

Notes:

* Requires 515 with Ethernet port option or serial to TCP/IP converter at the 515 instrument side.

The DataMod tool is compatible with 515 instruments with software versions starting from 2.9.080 (or 3.0.389 if Load application and auto-collecting is required).

DELIVERY REPORT (IOR ENERGY PTY LTD)	
<small> IOR ENERGY PTY LTD. 515 MODEL 1-1--P- EKROMANHA CRUDE UNLOADING BAY 1201 IMPRO 3-20- 500-LP VERS 3_0_002 SS&N: test done CUSTOM VERS 000006 BAY-01 S/N 161214 </small>	
TRANSACTION SUMMARY	
Log	00001
Delivery	000005
Record	00000100
Compartments	Used: 01
Exception	Status: Good
Date	2017/04/24
Time	Start: 18:56:37
ACCESS CODE	03--
JOB NUM	001835
SOURCE FIELD	14
TRANSP CODE	02
TRUCK REGO	TUQ327
SUPPLY NUM	030192
FLUID GROUP	2
T-BASE DEG C	15.0
D-BASE KG/m3	776.767
NET-V L	NET CRUDE 15108.125
GRS-V L	GRS CRUDE 15265.300
MASS KG	11735.487
COMPARTMENT DATA	
Record	00000101
Compartments	01
Exception	00
Date	2017/04/24
Time	End: 19:03:53
T-AVE DEG C	25.2
D-AVE KG/m3	768.769
PRESET QTY	0.000
NET-V L	NET CRUDE 15108.125
GRS-V L	GRS CRUDE 15265.300
MASS KG	11735.487
<small> Converted volumes corrected to reference conditions shown. Report generated by Contrec 500-DataMod software. 24/04/2017 7:06:09 PM Page 1 </small>	

Sample of Custom Report

Please talk to your distributor about customer templates.



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