



OASIS Pro

OASIS : **O**pen **A**nalytical **S**ervice & **I**nformation **S**ystem

for quality control in the photographic laboratory

The OASIS Pro programs :

OASIS Pro Lite
OASIS Pro Compact
OASIS Pro
OASIS Pro Monitor
OASIS Pro Monitor with OASIS X-link

The OASIS Remote monitoring service :

OASIS Remote

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All techniques described in this document are based on the OASIS Pro family of programs, version 3.02, and were correct at the time of going to press. Details of Fuji Hunt chemistry mentioned in this document were correct at the time of going to press. Please see publication date on the front cover.

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Introduction to the OASIS Pro programs

What is OASIS Pro, and who needs it?

The OASIS Pro programs allow easy and effective control of all processes and printers in the photo processing laboratory. The OASIS Pro package consists of an industry-standard Windows-based program that allows you to rapidly read and plot all types of control tests, transfer data between sites, include chemical data, and much more besides. It includes comprehensive manuals that cover all aspects of program setup and use.

If this sounds too complicated, and perhaps more than you need, it is not. The OASIS Pro family of quality control software consists of four programs to suit all types of laboratory. The programs have been designed by technicians working in the photographic industry - with very considerable input from major customers in all fields of photo processing - to make sure the programs perfectly match your laboratory requirements.

The result is a user-friendly tool using normal Windows procedures - easy to use and simple to learn. Anyone even vaguely familiar with Windows applications can use OASIS Pro with almost no instruction.

Anyone who reads process or printer control strips with a densitometer - or intends to - and plots the graphs as an aid to quality control can benefit from using OASIS Pro. There is a program to suit every requirement, big or small.

The Programs

OASIS Pro Lite is the simplest program, allowing reading of process and printer control tests, viewing graphs and process diagnostics, and giving full modem links with either the OASIS Pro or OASIS Pro Monitor program.

OASIS Pro Compact is designed for the stand-alone laboratory, but includes modem communications with other sites. Additional facilities for recording data are provided, along with many powerful features including the comparison of processors and different control strips, the inclusion of chemical data, an advanced printer control program, and inter-negative exposure calculation.

OASIS Pro is a full-featured program designed to meet all requirements. This program is designed for the larger laboratory, or for a head office site supporting any number of OASIS Pro Lite (or OASIS Pro) installations. All of the features included in the Compact program are available, plus many additional options to allow in-depth analysis of all aspects of laboratory quality control.

OASIS Pro Monitor is similar to the OASIS Pro program, but with many further features to facilitate operating a monitoring service, including a comprehensive data export function (to Microsoft Excel) to allow preparation of quality reports and custom data analysis functions.

OASIS Pro Monitor with OASIS X-link is a special version of the OASIS Pro Monitor program that includes the possibility of direct linking to remote X-Rite 820, 88x and 89x series densitometers using just the telephone system and a modem, with no need for an OASIS Pro program at the remote site.

About OASIS Pro

The OASIS Pro family of programs is designed to enable a much higher standard of process control to be achieved with a reduced need to employ specially trained and skilled personnel. The programs are designed to operate without any requirement for chemical analysis; full facilities are however provided for entering and using chemical analysis data.

The OASIS Pro family is capable of providing extensive diagnostics and corrective measures for a wide range of materials, printers and processes. The data recording and presentation abilities of OASIS Pro are unsurpassed in the field of photographic quality control software, and enable the user to take an easy, rapid and far-ranging view of all aspects of the photographic process.

All of the OASIS Pro programs, from the simplest OASIS Pro Lite to the very advanced OASIS Pro, can be upgraded as required with no loss of data. If the needs of your laboratory change, you need never fear that your valuable data is at risk.

All OASIS Pro programs also include advanced diagnostics functions. This even extends to the transferring of diagnostics between sites, and the possibility of downloading diagnostics directly from Fuji Hunt.

Fuji Hunt hope you enjoy using the OASIS Pro programs. OASIS Pro has been designed specifically for ease of use, yet provides all of the power that any laboratory, amateur or professional, large or small, could possibly require.

OASIS Remote is a different type of system. This is a new monitoring service designed for mass retailers, and offers automatic data transmission from a custom highly automated OASIS Remote densitometer to a Fuji Hunt monitoring service. This gives simple one-line process status reports on the densitometer, backed up by guaranteed telephone response times with all out-of-control or out-of-action processors.

Program Features

Program overview

The program has been written to be easy and simple to use. Despite the very comprehensive set of features available in the OASIS Pro programs, you only have to use what you need at the moment, and can start using more advanced features later, as and when you need them.

All of the OASIS Pro programs share a common method of operation; all share similar setup routines for defining the equipment in your laboratory.

OASIS Pro is so designed that the user can add, change or delete items as required - without the need for Fuji Hunt's help to modify the program. Almost all parameters in the program can be adjusted to suit your requirements (but standard settings are supplied with the program) - aims, limits, what to show on a graph, etc., and even the program menus themselves can be fully configured so that unwanted options can be hidden.

All program setup options are password protected - and you can change the password as often as you wish. This prevents unauthorised changes to your program, and also unauthorised deletion of data.

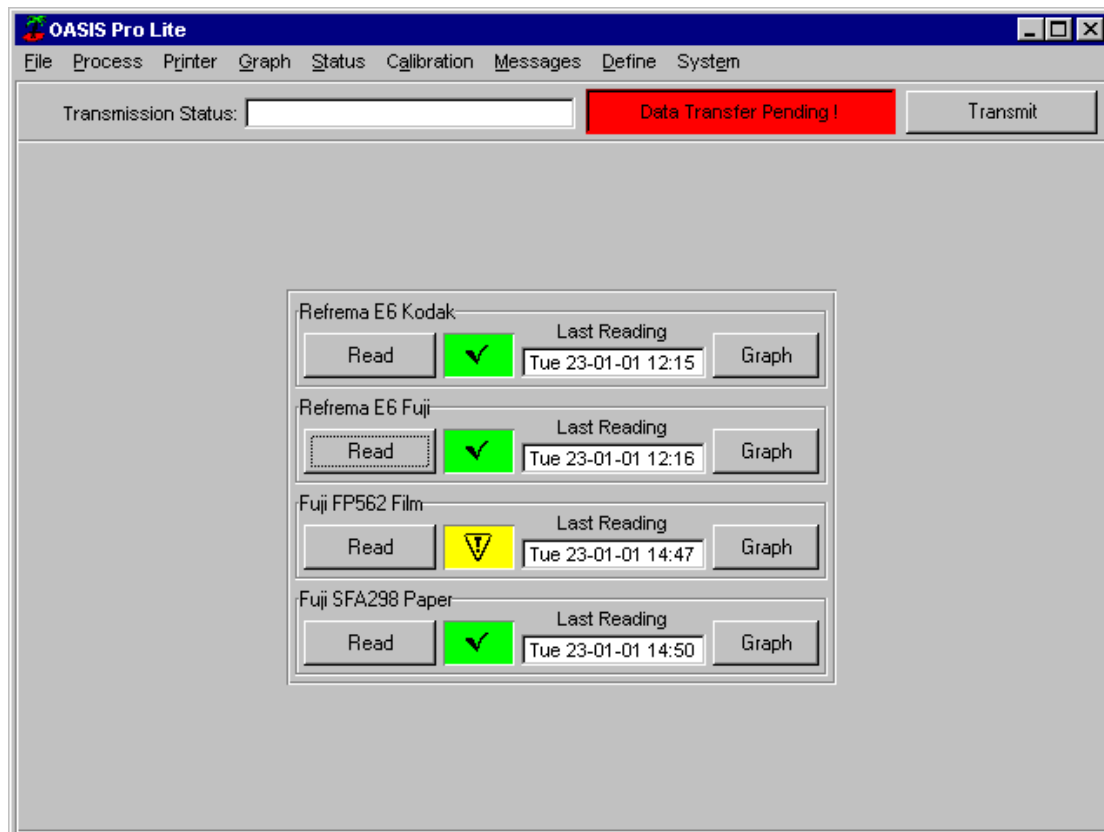
OASIS Pro includes all standard process control strip types from all manufacturers. All parameters and settings can be adjusted, and you can even create new strip types. Less-used strip types (for example, process EP2, Konica, many Agfa strips) are hidden from view in normal use to make things easier for the user; they can easily be revealed as required. A set of standard calculations for the advanced printer correction module is also supplied with all programs except Lite; again, you can fine tune the program as required.

Comprehensive Windows help files are supplied for all OASIS Pro version 3.0/3.02 programs, covering all aspects of setting up and using the programs. A new, much simplified, Training help file is also included, covering just the basics of program setup and use with the minimum of additional information.

OASIS Pro v3.02 is a maintenance release and contains no new features above those found in v3.0. Updating to v3.02 from v3.0 is not recommended unless you are having problems with v3.0.

OASIS Pro Lite

This is the program for the ultimate in ease of use. Having setup your laboratory in the OASIS Pro Lite program, you can now customise the main OASIS screen for maximum simplicity :



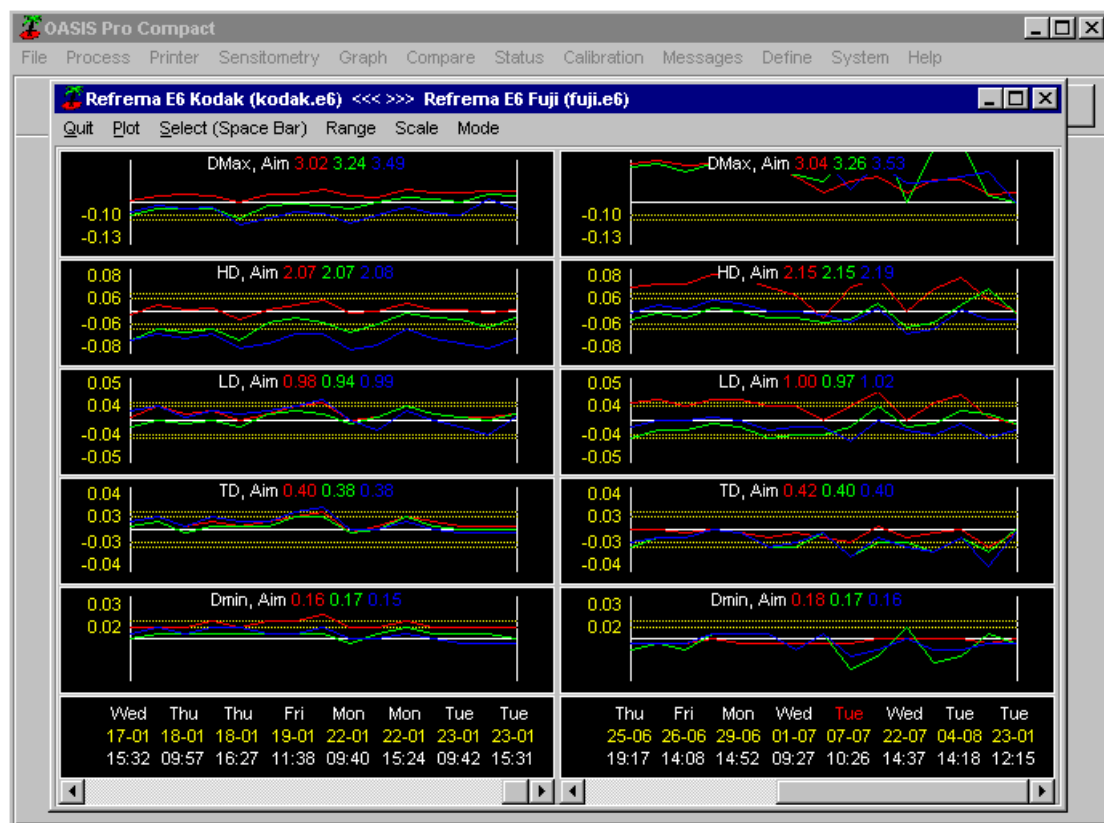
To read a strip or view a graph, simply click on the appropriate button! These incredibly simple short-cut buttons allow up to ten processors (or printers) to be shown on the opening screen, and are available in all OASIS programs.

This example shows OASIS Pro Lite set up for sending data to a remote OASIS Pro installation - perhaps the head office for a laboratory group - using serial communications. To send the latest test data, all you have to do is click on the **Transmit** button - OASIS does everything else for you. For stand-alone sites, the data transmission status bar is not shown. Version 3.0 adds the possibility to transfer data by Internet - with just two mouse clicks. And if this sounds too complicated, the whole data transfer process can be fully automated and you don't have to do a single thing!

OASIS Pro Compact

The OASIS Pro Compact program, the next step up in the OASIS Pro family, adds many extra facilities. Many options for comparing data between strips and processors are available.

A typical example in a professional laboratory processing both Fuji and Kodak controls for an E6 process could be :



For optimum process control, processing of both Fuji and Kodak controls is recommended. No other process control program allows this type of comparison - you need to see both plots together to gain a full understanding of process changes.

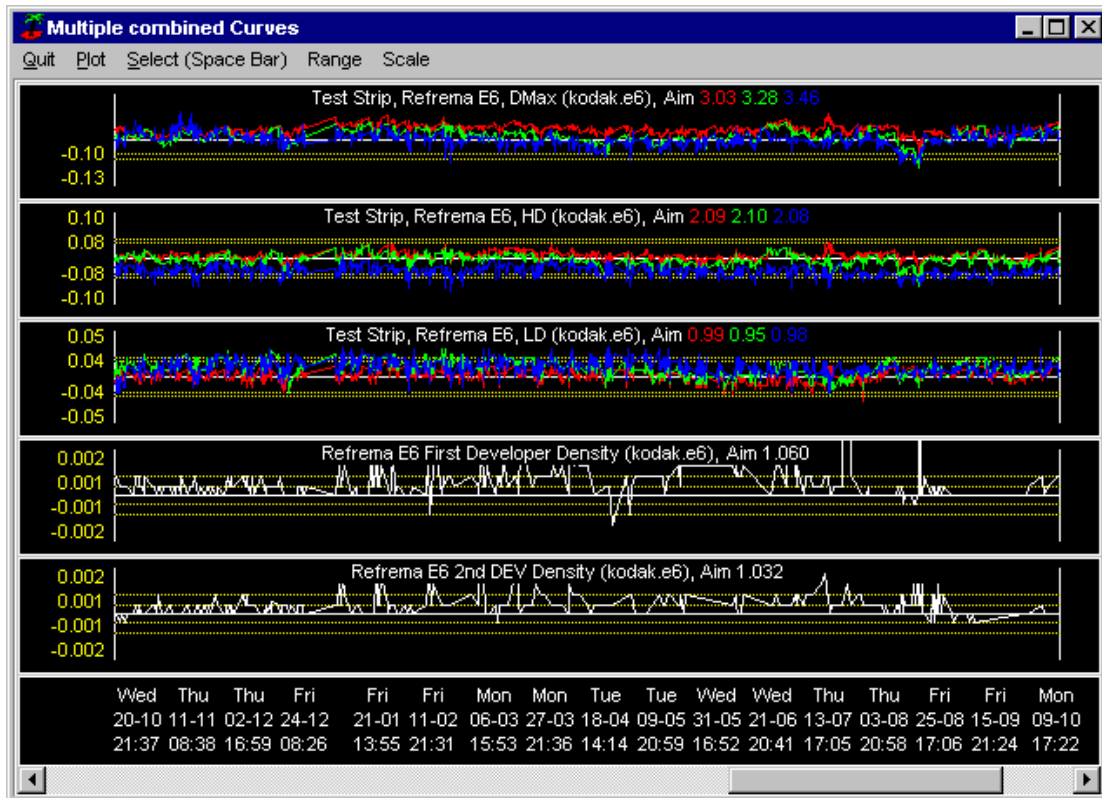
All functions available in OASIS Pro Lite are also available in OASIS Pro Compact.

OASIS Pro

This is the ideal program for the larger professional laboratory, photofinishing labs, and head office locations controlling a number of secondary sites using the OASIS Pro Lite or OASIS Pro programs.

Further opportunities for examining your data are provided, to the extent that any data from any location, or even process strip plus chemical data, can be shown on the same graph.

In this example, you can see the graph for an E6 process (covering a whole year) with the first and colour developer densities shown, as well as the LD, HD and Dmax of the process strips :



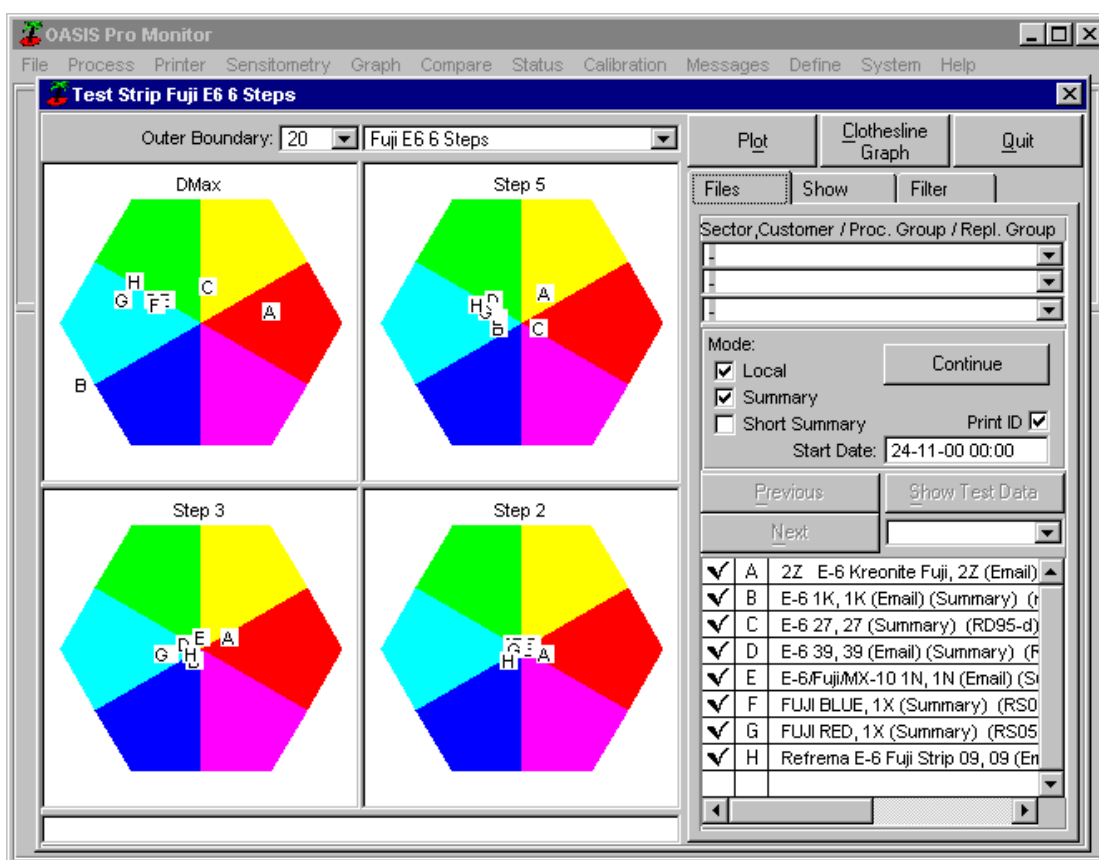
This type of presentation - OASIS Pro allows comparisons based on time as well as the more common graphing based simply on the number of strips processed - is invaluable when looking at long term trends and overall stability of a process.

OASIS Pro can produce graphs covering any period from 15 to 365 days on a single screen. All OASIS Pro programs let you print what you see - just click on **Plot** to print out the graph.

OASIS Pro Monitor

This is the program for monitoring services. There are many features for writing letters, batch printing of letters and additional data transfer functions, as well as the full range of options included in the OASIS Pro program. Version 3.0/3.02 adds comprehensive data export and reporting options, plus letter / monitoring report writing by e-mail.

One option allows the comparison of many processors on a single trilinear graph - ideal for market surveys :



This sort of function can also be used in the largest laboratories for comparisons between their own processors - or printers. Data can also be displayed as a clothesline graph with a single mouse click, and full data selection and filtering options are provided.

Printed letter writing (but not e-mail letter writing) with OASIS Pro Monitor uses DDE links to Microsoft Word to build and output the letters; the actual letter writing function is contained within the OASIS Pro program. English, French and German language versions of Microsoft Word, versions 2 and 6, and Office 95 and 97 are all supported.

OASIS Remote

OASIS Remote is a new monitoring service available from Fuji Hunt. It is designed for use by mass retailers using minilabs, but is equally suitable for use by independent minilab sites.

This uses a custom densitometer to read process control strips (any make, but typically Fuji) at the laboratory.



This densitometer is highly automated, and features include :

- No calibration by the customer

- Automatic determination of strip type being read

- Automatic strip measurement

- Automatic entry of reference strip correction factors

- Automatic announcement of process condition every time a strip is read

- Automatic transmission of data to the Fuji Hunt Monitoring Service

Data transfer to Fuji Hunt is by Internet, normally using the store's existing Ethernet network. The Monitoring Service (currently in English only) will contact the customer within 30 minutes (maximum, but typically much quicker) to give support for all out-of-action and out-of-control process conditions. Where an out-of-control condition cannot be rectified over the telephone, the process control information is posted onto a private web site to allow a second level of support from a field technician.

Reports for each location, exception reports, and data analysis by region, processor type, or any other sort criteria required by the company management, are posted monthly on the private web site.

There are very significant benefits available for the mass retailer – amongst these are greatly reduced training and field support requirements, faster technical assistance, improvements in quality and consistency from location to location, and much improved targeting of problem areas by use of the exception reports.

Examples from OASIS Pro

Program Setup

All program setup is password protected. All sorts of parameters can be defined using the **Define** menu options. Full instructions are always available in the help files. A typical example is **Tank Checks** :



where you can define check types as you wish, and create as many checks - chemical or other data - for a processor as you require. The aims and limits you type in are your own - *you* define how you want to run a process :

Define Checks Processor Refrema E6

File Add Bath Type Add Check Type Copy to ... Quit

Bath	Check	Nominal	Action Limit Upper	Action Limit Lower	Control Limit Upper	Control Limit Lower	Life Time	Corrections WA/CA/SCA
First Developer	Density	1.060	0.001	0.001	0.002	0.002	24	✓
First Developer	Temperature	38.00	0.20	0.20	0.50	0.50	24	
Reversal	Density	1.008	0.002	0.002	0.003	0.003	24	
2nd DEV	Density	1.032	0.001	0.001	0.002	0.002	24	✓
Bleach	Density	1.180	0.040	0.020	0.050	0.030	24	✓
First Developer	Rep Rate	210.000	5.000	5.000	8.000	8.000	24	
2nd DEV	Rep Rate	215.000	5.000	5.000	8.000	8.000	24	

Actions:

Upper Action

Lower Action

Limits: Decimal Places: Values entered for upper and lower Action and Control Limits are governed by the number of decimal places entered in the Nominal column.

Corrections: WA Water Addition CA Chemical Addition SCA Single Concentrate Addition

Reading a process control strip

With any OASIS Pro program, simply click on the **Read** button and start reading the strip with the densitometer. As an alternative, all OASIS Pro programs also allow you to access all process control strip functions using the **Process** menu. Selecting **Read Test Strip** from the menu, and then your processor, also allows direct input of data from a densitometer :

Read Strip Processor Refream E6 Fuji (fuji.e6)

Manual Input Cancel

Reference: RM 96 5/27
 Strip Type: Fuji CR56/E6 5 steps
 Readings: DMax, Step 5, Step 3, Step 2, Dmin
 Parameter: DMax, HD, LD, TD, Dmin

Readings:

	Red	Green	Blue
Field 1	3.43	3.45	3.63
Field 2	2.10	2.02	2.03
Field 3	1.02	0.97	0.94
Field 4			
Field 5			

Read
RGB Fields with Filter Status A

When readings are completed, the deviations and status of the strip are shown automatically :

Processor: Refrema E6 Fuji (e6.fuj)

File Change Ref. Write Letter View Graph Repeat Next Strip Quit

Reference: RM 96 5/27
 Strip Type: Fuji CR56/E6 5 steps
 Customer: The Colour Laboratory
 Group: E6 Processors

Comment (up to 20 characters):
 Update

	Red	Green	Blue	Red	Green	Blue	Red	Green	Blue
DMax	3.37	3.65	3.70	3.36	3.60	3.72	0.01	0.05	-0.02
HD	2.02	2.04	1.98	2.03	2.03	2.00	-0.01	0.01	-0.02
LD	0.97	0.96	0.93	0.97	0.95	0.96	0.00	0.01	-0.03
TD	0.32	0.30	0.35	0.34	0.32	0.39	-0.02	-0.02	-0.04
Dmin	0.12	0.13	0.14	0.13	0.14	0.14	-0.01	-0.01	0.00

Parameter:

	Red	Green	Blue	Status
DMax	0.01	0.05	-0.02	✓
HD	-0.01	0.01	-0.02	✓
LD	0.00	0.01	-0.03	✓
TD	-0.02	-0.02	-0.04	⚠
Dmin	-0.01	-0.01	0.00	✓

Creation Date: 23-01-01 13:22

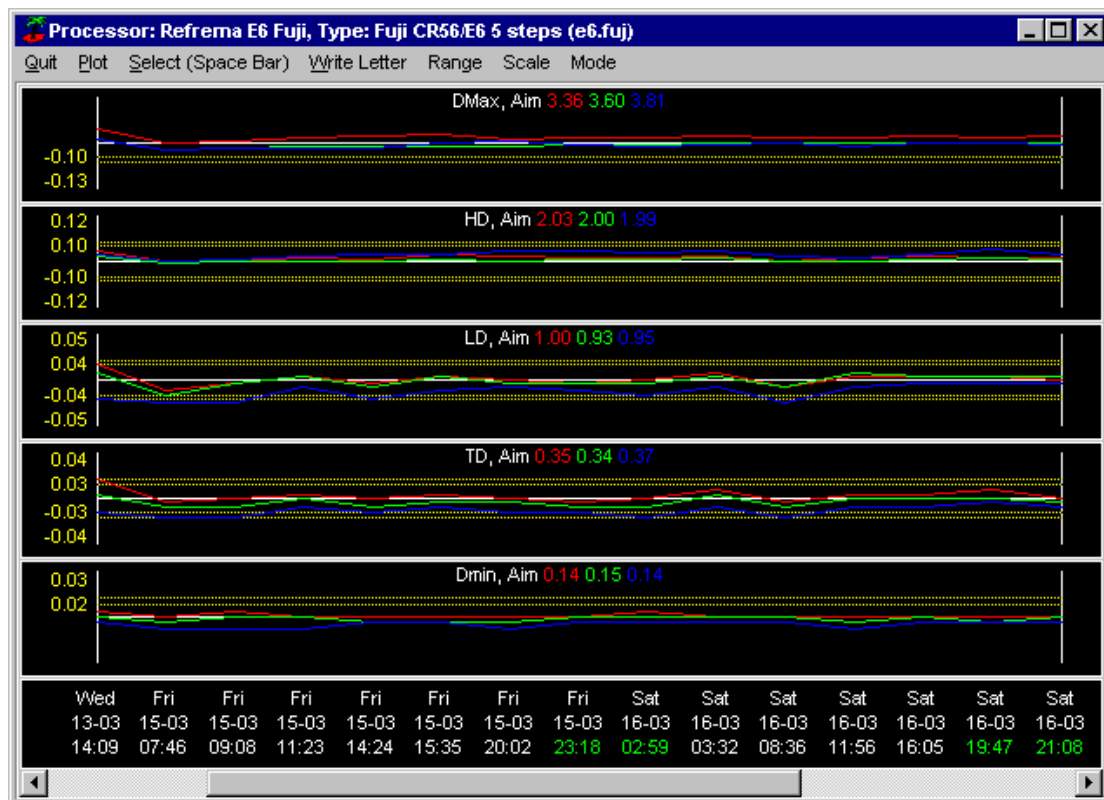
Check Process!

A simple system of green for Ok, yellow for out-of-action limit, and red for out-of-control is used to indicate parameter status throughout OASIS Pro.

Viewing a graph

Simply click on the **Graph** button of your chosen processor ! As usual with OASIS, there is also an alternative method for those with many processors - click on the **Graph** menu option, choose a graph type from the various options available, and then your processor.

From all OASIS Pro programs, you can go directly to the graph from the strip readings screen - simply click on the **View Graph** button :



The scroll bar at the bottom of the graph allows you to move freely through all the data stored on your system. Zooming in to any portion of the graph is easily accomplished by simply selecting the area you want to see with the mouse.

Status

A quick overview of all processors in your laboratory can be easily seen by choosing the **Status** option. This screen has been greatly speeded up for version 3.0. For a large laboratory, you may see :

Processor Name	Status	Date/Time	Control 1	Control 2
The Colour Laboratory, Calder C41 #1, Test Strip, KODAK.97	⚠	11-06-97 10:05	↕	Y
The Colour Laboratory, Calder C41 #1, Test Strip, FUJI.97	✓	11-06-97 08:35	↕	Y
The Colour Laboratory, Calder C41 #2, Test Strip, FUJI.97	✓	11-06-97 07:59	↕	Y
The Colour Laboratory, Fuji 23VE, Test Strip, FUJI_RA4.97	✓	11-06-97 13:48	↕	Y
The Colour Laboratory, Fuji FP920, Test Strip, FUJI.97	⚠	10-06-97 19:31	↕	Y
Laboratory 2, Fuji FP922, Test Strip, LAB2FUJI.C41	✓	11-06-97 13:49	↕	Y
The Colour Laboratory, Fuji SFA298, Test Strip, FUJI_RA4.97	⚠	11-06-97 14:01	↕	Y
The Colour Laboratory, Hostert C41 D&D, Test Strip, FUJI.97	✓	11-06-97 10:10	↕	Y
The Colour Laboratory, Kreonite 52" RA4, Test Strip, FUJI_RA4.97	?	22-06-97 12:59	↕	Y
The Colour Laboratory, Kreonite R3, Test Strip, KREO_R3.FUJ	STOP	10-06-97 14:50	↕	Y
Laboratory 2, Lab 2 Fuji SFA298, Test Strip	?			
Laboratory 6, Lab 6 C41RA, Test Strip, LAB6C41.97	?	27-06-97 14:52	↕	Y
Laboratory 6, Lab 6 RA4, Test Strip, LAB6RA4.97	?	27-06-97 15:01	↕	Y
Laboratory 7, Lab 7 C41RA, Test Strip	?			

Transmission Status: Idle

Depending on the particular OASIS Pro program you are using, it is just as easy to look up processor status, the status of any chemical checks you have defined, printers or printer channel status, or everything together.

You can also pick out **Not known only** - tests which should have been completed (by your definitions within OASIS Pro), but which have not been, or simply any parameters which are out of limits. You can also set time limits for the oldest displayed data, preventing the display of processors that are no longer in use. For OASIS Pro and Pro Monitor, it is also easy to show the status of all other sites transferring data to your computer.

The Status screens are also a handy short-cut to graphs and trilinear graphs. Selecting a customer also allows you to download data from another OASIS Pro or OASIS Pro Lite installation - and then view the data as if it was data from your own laboratory.

Checks

Checks in OASIS Pro are generally chemical checks - solution densities, pH, analysed chemical values, etc. They can also be virtually anything else that you can express in numbers - replenishment rates, temperatures, and so on. Examples can be seen on page 12, **Program Setup**.

Checks can either be carried out (assuming you want to!) by processor, or by the type of check that you are doing. This can be more convenient when you have, for example, a lot of solution densities to measure :

Tank Checks: Density									
File		Calculate Addition		Next Check		Print		Cancel	
Processor	Item	Nominal	Last/current Test	Current Tank	Status	Action			
Refrema E6 Continuous	First Developer Density	1.060	25-01-01 13:48	1.062	✓				
Refrema E6 Continuous	2nd DEV Density	1.032	25-01-01 13:48	1.032	✓				
Refrema E6 Continuous	Reversal Density	1.008	25-01-01 13:48	1.006	✓				
Refrema E6 Continuous	Bleach Density	1.180	23-01-01 13:46		?				
Refrema E6 Continuous	Conditioner Density	1.011	23-01-01 13:46		?				
Refrema E6 Continuous	Fix Density	1.070	23-01-01 13:46		?				
Refrema E6	First Developer Density	1.060	25-01-01 13:48	1.061	✓				
Refrema E6	Reversal Density	1.008	25-01-01 13:49	1.005	⚠				
Refrema E6	2nd DEV Density	1.032	25-01-01 13:49	1.032	✓				
Refrema E6	Bleach Density	1.180			?				
Kreonite C41	Developer Density	1.042	25-01-01 13:49	1.046	STOP				
Kreonite C41	Bleach Density	1.095			?				

Comments about current Input Line:

You only carry out the checks that you want to do at that time. If you click on the **Calculate Addition** button, OASIS will estimate water (or concentrate) additions to bring your chemistry back into control.

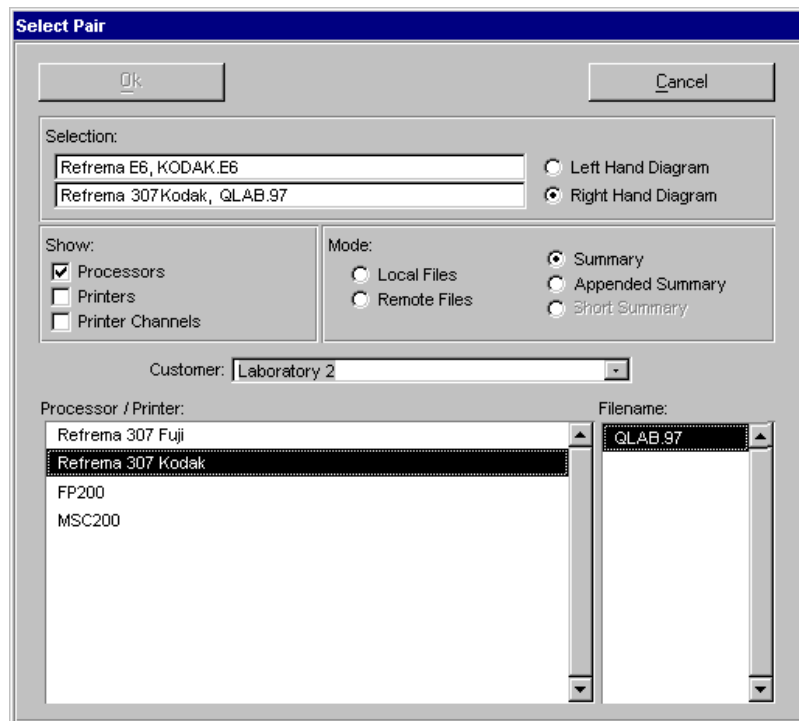
Chemical checks are not available in OASIS Pro Lite. With OASIS Pro Compact, chemical check types are limited to those commonly used for monitoring the E6 process, although these checks can be used for as many processors as you wish. Checks are unlimited with OASIS Pro and Pro Monitor.

Compare

An example of the Compare function can be seen on page 9, as seen in OASIS Pro Compact.

With OASIS Pro and OASIS Pro Monitor, comparisons can be taken a stage further - any two graphs, no matter the source of the data - can be displayed on the screen at once.

Perhaps you wish to compare an E6 processor in your own laboratory with one in a satellite site. After importing the Summary file, you can freely select the data you want to see :



This example is pulling together data from your local “**Refrema E6**” processor, along with that from the “**Refrema 307 Kodak**” processor at the "Laboratory 2" laboratory.

There are no limits to what you can compare - two processors, printers with processors, different strip types from the same processor, even data covering different periods of time from the same processor. What you see on the screen is easily printed by clicking on **Plot**.

Combined Graphs

Combined graphs are available to users of the OASIS Pro and OASIS Pro Monitor programs. Here, any combination of data that you want can be shown on a single graph.

This can allow you to look at combinations of data that would be practically impossible with paper plots or other photographic quality control programs. There is a lot you can learn about a process by watching, for example, variations in the plot with developer densities. It is so quick and easy to pull these graphs out with OASIS Pro that it opens up a whole new realm of possibilities for precise and meaningful quality control.



This example shows a mix of Kodak and Fuji E6 strip lots from a processor, looking just at the Dmax and HD. This allows the user to examine the relationship between the different strip types and decide on optimum corrective actions.

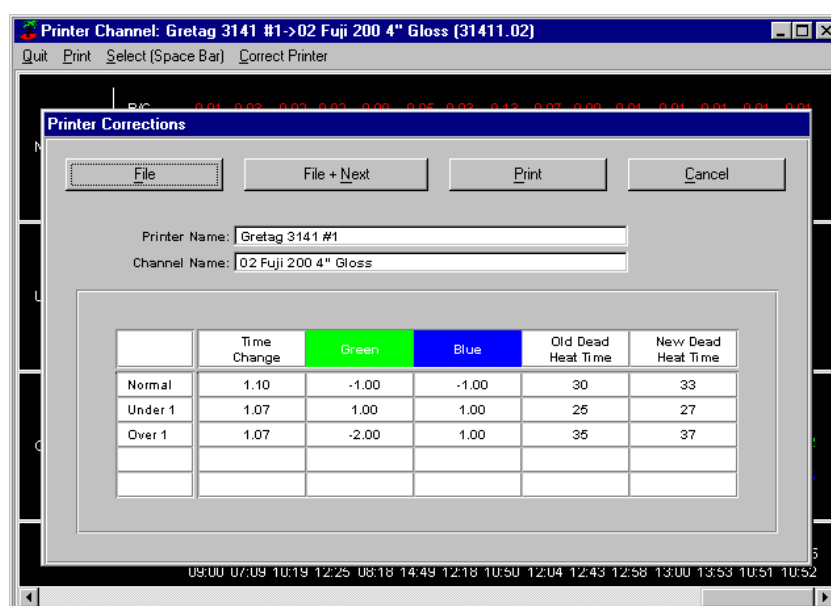
Printer setup and control

Whilst it is possible to monitor printers with the OASIS Pro Lite program, you will need OASIS Pro Compact, OASIS Pro or OASIS Pro Monitor to get the benefits of the powerful printer control module included in these programs.

This module has been developed with the needs of all laboratories using printers in mind. All types of stand-alone printer are supported, even such specialised types as the Kodak CLAS35.

Printers use printer channels to store their setup information. These are logically grouped within OASIS Pro to allow comparisons of all channels for one printer, or all master channels of all printers. With everything matching, you know that you will have consistent output throughout your laboratory. This is true for all types of lab - photofinishers, social laboratories, or anyone using machine printers.

OASIS Pro can give you precise corrections for all types of printer - standard printer correction formulae are built into the program. A typical example could be :



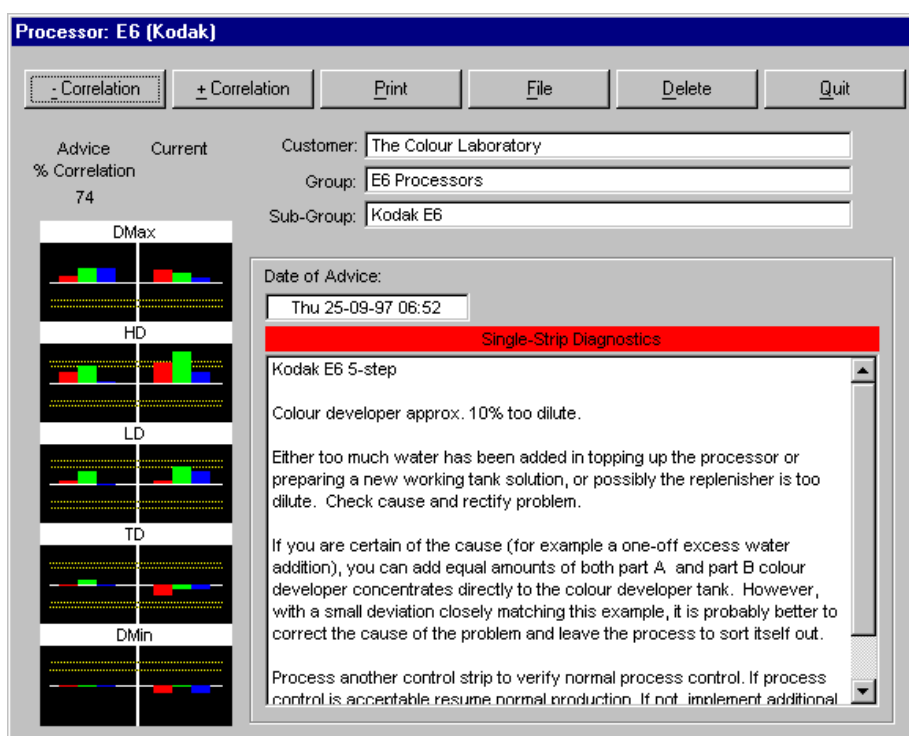
Just read in your printer control test and ask for **Correct Printer**. All of the hard work is done for you by OASIS Pro.

Diagnostics

Comprehensive diagnostics possibilities are an integral part of all OASIS Pro programs.

Diagnostics can be used both on a “single strip” basis, or looking at trends. Also, diagnostics can include both chemical and process data where available for increased precision.

A diagnostic message may appear as :



You can add your own diagnostics, modify or delete diagnostics as you wish. These functions can be password protected.

Diagnostics are offered in decreasing order of matching between the selected strip (or range of strips) and diagnostics stored on your OASIS Pro system. For the best results, enter diagnostics yourself for problems you have solved - past experience on your own processors is always the best guide for solving future problems.

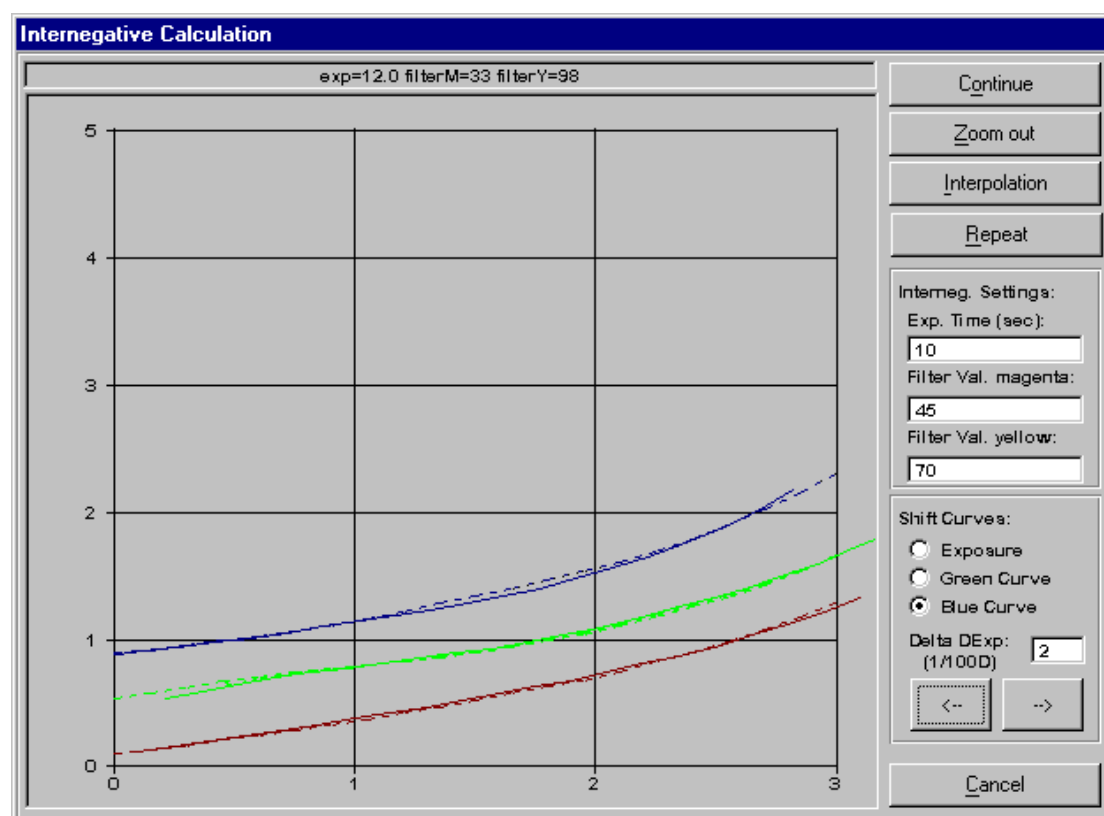
Diagnostics for all common process control strips types and makes are included on your OASIS Pro CD.

Sensitometry - Internegative Calculation

OASIS Pro Compact, OASIS Pro and OASIS Pro Monitor include a full-featured sensitometric evaluation program. This can be used for reading and plotting any type of process strip, even those you may have made yourself.

Professional laboratories will find this part of the program of great use in calculating correct exposures and filtration for internegative film.

Once you have read in an internegative reference (not limited to Fuji IT-N film - any make can be used), simply read in your exposure test and then shift the curves to obtain a best match. This is easily achieved by using the arrow keys at the bottom right of the screen :



Correct exposure and filtration values are shown at the top of the screen. This procedure cuts the time taken for calculation of internegative exposures (compared to the manual method using graph paper) to a fraction of what it used to be.

OASIS Pro : A Technical Overview

Computer Requirements

The OASIS Pro programs, version 3.x, are 32-bit programs designed for use with Windows 9x/Me or Windows NT4/2000/XP. Version 2 and later programs cannot be used with Windows 3.1x or earlier versions of Windows.

Any computer suitable for running Windows 9x/Me or Windows NT4/2000/ XP can be used for version 3.0/3.02; a minimum of a Pentium 166 (or equivalent) computer with 32 MB RAM is recommended for Windows 9x with OASIS Pro Lite; any modern computer capable of running the other operating systems listed is plenty powerful enough for any OASIS program. A fast computer is recommended for those operating a monitoring service using OASIS Pro Monitor. Hard disk requirements, for even a large OASIS Pro installation in a major laboratory, rarely exceed 10 MB, so should not present any problems.

As the OASIS Pro programs are true Windows programs, any printer or other output device that can be run from Windows may be used for output of graphs or other data. Typically, a colour inkjet printer is found to be the most suitable.

Any densitometer with a standard RS232 output (almost all modern equipment) may be connected to OASIS Pro for direct input of test data. OASIS Pro version 3.0 also adds support for the GretagMacbeth iCColor spectrophotometer / strip reader. Densitometers such as the X-Rite 820, 881, 882 or 89x series may also be connected to the OASIS Pro and OASIS Pro Monitor programs by direct telephone / modem links, without the need for an OASIS installation at the remote site.

What's behind the program?

Behind OASIS Pro (as with all such programs) there is a database. Unlike many competing programs, data storage methods used by the OASIS Pro programs ensure that data is automatically stored in a very flexible, pre-sorted form that allows extremely rapid data recall, with little or no reduction in program speed with increasing number of records stored and / or processors / printers monitored. An almost unlimited amount of data for any or many (more than 1200) processors or printers can be stored without problem - records do not have to be automatically discarded just to keep the program running at any reasonable speed.

Using Modems

The OASIS Pro programs include the possibility of communications between sites - or between a laboratory and Fuji Hunt or a distributor. There are several ways of doing this - serial communications (with appropriate software), by using the Internet, or directly across networks where sites are linked with a LAN or WAN.

Serial communications (a one-to-one direct connection) with OASIS Pro requires a modem and use of a specific communications software package. The OASIS Pro programs support Symantec Procomm Plus for Windows (versions 2.1, 3, 4, 4.8) and the older Crosstalk for Windows (version 2.1, 2.2 or 2.3). These are commonly used programs; you may find that you already use one of these comms programs. Procomm Plus is also available from Fuji Hunt if required.

Internet communications can be used with all OASIS Pro version 3.0 programs, and only require an existing Internet connection to almost any service provider. All other necessary functions are fully integrated within OASIS Pro. File transfer needs a couple of mouse clicks at the most, and automatic file transfer can easily be programmed into any OASIS program - and then you don't need to do anything at all! Internet connections are the responsibility of the user, and are not available from Fuji Hunt.

Any modem may be used. A 56k modem is suggested, either fitted internally, or connected externally to a suitable (16550-equipped) serial port. Experience has shown that 3-Com/US Robotics modems, such as the Sportster range, give consistently reliable results, and are recommended. Slower modems, even old 14400 baud models, can also be used where data transfer requirements are expected to be limited, or where local call rates apply.

You are strongly advised to avoid the use of so-called "Winmodems".

Extensive use of communications from OASIS Pro benefits from the use of a dedicated telephone line for modems, or a permanent Internet connection, but neither of these are essential requirements.

OASIS Pro version 3.x may be readily networked within a single laboratory environment, allowing the use of multiple OASIS terminals - even terminals running different OASIS programs according to requirements. Remote sites can also be linked across LANs where the connections exist. Please consult your Fuji Hunt representative if you require further details of either local or remote network connections for OASIS Pro.

Contacting Fuji Hunt

Please discuss program availability and the best option for your laboratory with your local Fuji Hunt representative.

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