

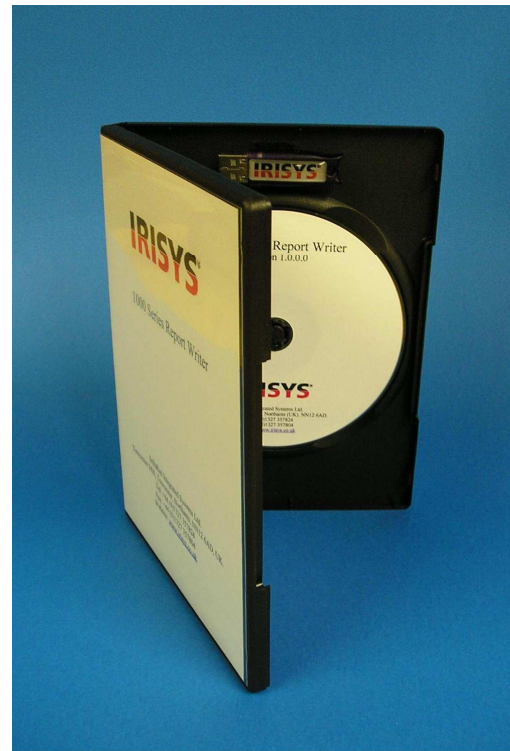
ISI 1601

1000 Series Report Writer

The ISI 1601 1000 Series Report Writer is used in conjunction with an IRISYS 1000 Series Handheld Thermal Imager. It simplifies the process of gathering multiple thermal snapshots taken during a site survey, and inserting them into a thermography inspection report.

Features of the ISI 1601 include:

- Report writing in simple steps
- Addition of company logo & comments
- Insertion of multiple thermal images & digital photographs
- Automatic data entry including 2 temperature measurements per thermal image
- Automatic creation of contents page & report summary
- Saving of reports in progress



**The ISI 1601
Report Writer Package**

Product Description

The 1000 Series Report Writer is supplied complete with compact disc, software protection dongle and a DVD case. The software user manual and the software installer file are located on the CD. The completed thermography inspection report is generated in HTML so that it can be viewed by an internet browser, and can be emailed to clients and customers.

Operation

The 1000 Series Report Writer acts much like a configuration wizard, taking all the steps necessary to create a complete thermography inspection report. Firstly, a company logo and the report author's name can be added to the header of the report, together with the date of report generation and comments such as site information and contact details of the site manager. The second stage selects the thermal images to be included in the report and pairs the images with the corresponding digital photographs if required. Thirdly, inspection-specific information is entered that helps the reader to assess the condition of the object under inspection. Once this is completed for each thermal image, the report is generated in HTML; this includes automatically generated contents and summary pages.



SPECIFICATION

COMPUTER REQUIREMENTS:

- IBM compatible
- Microsoft Windows 2000 or XP operating system
- Microsoft Internet Explorer version 6 or greater (reports are created in HTML)
- USB port (for the software protection dongle)

REPORT CONTENTS:

- Company logo
- Name of company surveyed
- Name of report author
- Date of report generation
- General survey comments
- Automatic contents page
- Multiple thermal images & digital photographs combined in "inspections" (see right)
- Lines drawn to link objects in thermal images with objects in digital photographs
- Inspection location & equipment
- Automatic insertion into the report of temperature measurements, temperature differences, target object emissivities and ambient temperatures (information gathered from thermal image file).
- Inspection comments / fault diagnostic and recommended action
- Automatic report summary

SAMPLE INSPECTION:			
Twin Breaker			
Operator	A Spanner	Snapshot	
Location	Ground floor plant room	Date	3rd September 2005
Equipment	Twin Breaker	Time	10.19 AM
Comment			
Breaker number 1 (on the left) was easily identified using the laser pointer as moderately overheated (11 degrees rise). Further inspection found that the breaker was overloaded.			
Thermal Snapshot		Visual Image	
Temperature Measurements		Measurement Parameters	
Spot 1	27.5 deg. C	Emissivity	0.95
Spot 2	38.5 deg. C	Ambient Temp.	15.0 deg. C
Difference	11.0 deg. C	Measured Load	38A
		Rated Load	25A
		Load %	152
Fault / Recommended Action		Repair Action	
Gross overload. Cut off supply at convenient time & provide extra load capacity.		Action	Date
		Inspected	3rd Sep 05
		Repaired	
		Reinspect	
Repair Priority		Initials	
1 Low - 5 High		AS	
3			

COMPATIBILITY:

The 1000 Series Report Writer is compatible with thermal snapshots taken with an IRISYS IRI 1011 Series or 1001E Thermal Imager and saved on a pocket PC. Images saved or edited using the IRISYS PC imager application are not supported.

LICENSE:

This software is not licensed for importation into and/or distribution or use in the United States of America.

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