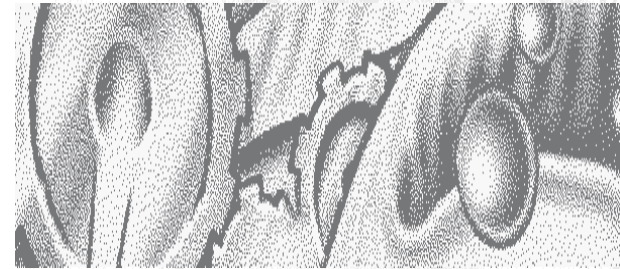


HPPS Operators Guide

MAN0314 Issue 2.0 Feb. 2003



LUPIN EX. 1036

Lupin v. iCourt

© **Malvern Instruments Ltd. 2001, 2002, 2003**

Malvern Instruments makes every effort to ensure that this document is correct. However, due to Malvern Instruments policy of continual product development we are unable to guarantee the accuracy of this, or any other document after the date of publication. We therefore disclaim all liability for any changes, errors or omissions after the date of publication. No reproduction or transmission of any part of this publication is allowed without the express written permission of Malvern Instruments Ltd.

Head office:

Malvern Instruments Ltd.
Enigma Business Park,
Groveswood Road,
Malvern,
Worcestershire. WR14 1XZ
United Kingdom.

Tel + [44] (0)1684-892456

Fax + [44] (0)1684-892789

Windows 2000 and NT are registered trademarks of the Microsoft Corporation.

Printed in England



Table of Contents

Part 1 - Operators Guide

CHAPTER 1 - Introduction to this manual

Introduction to this manual	1-1
How to use this manual	1-1
Access to the Instrument	1-1
Assumed information	1-2
Where to get help	1-3
Health and safety	1-4

CHAPTER 2 - What is the HPPS?

Introduction	2-1
What does the HPPS do?	2-1
How it does it	2-1

CHAPTER 3 - Navigating the HPPS software

Introduction	3-1
Quick guide to the HPPS software application	3-1

CHAPTER 4 - Making measurements - A tutorial

Introduction	4-1
Quick guide to making a measurement	4-1
Powering up the system	4-2
Sample preparation	4-4
Making an SOP measurement	4-11
Making a manual measurement	4-15
The Measurement display	4-17
Displaying the results	4-19

CHAPTER 5 - Managing SOPs

Introduction	5-1
Creating an SOP	5-1
Modifying an SOP	5-15
Distributing an SOP	5-15

CHAPTER 6 - Measurement file window - Managing the records

Introduction	6-1
Displaying the information	6-2

CHAPTER 7 - Exporting results

Introduction	7-1
Exporting results	7-1
Creating an export template.	7-3

CHAPTER 8 - Creating custom reports

Introduction	8-1
Overview	8-1
Opening a report	8-2
Laying out a report	8-2
Customising and editing the report	8-3
A finished report	8-8
Selecting the new report to view	8-9

CHAPTER 9 - Security

Introduction	9-1
Initial start-up — set up the administrator:	9-2
Enabling security	9-3
User groups	9-3
Users	9-5

CHAPTER 10 - Maintenance

Introduction	10-1
Cleaning the instrument	10-1
Cleaning cuvettes	10-2
Replacing the filters	10-2
Replacing the system fuse	10-3
Maintenance schedule	10-3



Part 2 - Theory of operation

CHAPTER 11 - Introduction to Dynamic Light Scattering

Introduction	6-1
What is Dynamic Light Scattering	6-1
Scattering intensity fluctuations	6-1
Interpreting scattering intensity fluctuation data	6-3
Using the correlation function to get size information	6-4
Intensity, volume and number distributions	6-6

CHAPTER 12 - Operation of the HPPS

Typical DLS system	7-1
Unique features of the HPPS system	7-2

APPENDIX A - Specification

Specification	A-1
---------------	-----

APPENDIX B - Installation

Introduction	B-1
Installing the HPPS	B-1
Changing the computer	B-2

APPENDIX C - Reference

Further reading	C-1
-----------------	-----

APPENDIX D - Regulatory Statements

Statement of EMC performance	D-1
Statement of LVD compliance	D-1

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.