

# Interfacing Teledyne Hanson Instruments with Laboratory Information Management Systems

**keywords: dissolution, information management, LIMS, software**

## Overview

Increasingly, connectivity to a Laboratory Information Management System (LIMS) is required for diffusion and dissolution systems. Fortunately, systems from Teledyne Hanson (part of Teledyne LABS) can usually be connected to a LIMS. This document will describe the current connectivity possibilities of each.

## Interface with the Vision® Protocol Manager™

Protocol Manager™ (PM) software can retrieve data from the Teledyne LABS Vision® G2™ dissolution systems and CD14 instruments. These include the Vision G2 dissolution tester, the Vision G2 AutoPlus™ sampler, the CD14 comparative dissolution tester, and the CD AutoPlus sampler. PM then generates a PDF report that is stored in a database.

This PDF report can provide a LIMS with data. During Protocol Manager installation, a script file (included with PM) can be edited to store the PDF report to a network location accessible to the LIMS in addition to the PM database (which may also be accessible to the LIMS). If the PDF report is insufficient for your documentation, you may need to develop an application to extract the necessary data from the PDF for further use.

## Direct Interface

The Vision G2 dissolution tester and the Vision G2 AutoPlus sampler can print report data directly to serial printers attached to their serial ports. This capability can also provide a LIMS with data from such a system by routing its serial cable to a computer serial port rather than to a printer. The report data will contain non-printable control characters that would otherwise be used by the serial printer to format the report. If these are unwanted, you may need to develop an application to extract the necessary data from the report for further use.

## No Interface Available

The Teledyne LABS Phoenix RDS (Robotic Diffusion Station) does not store its data in a way that is usable by a LIMS.

## Summary

product	interface available with Protocol Manager	direct interface available	no interface available
Vision G2 Tester, Vision AutoPlus, CD14 Tester, CD AutoPlus,	✓		
Vision G2 Tester, Vision AutoPlus,		✓	
RDS, DB6, Media Mate			✗