

MicroCal PEAQ – Malvern Panalytical

INTRODUCTION

The Lumetics LINK™ software platform scans network locations for new measurement data files, copies data directly to a centralized database, and provides a powerful user interface for rapid multi-measurement multi-technique data aggregation, visualization, analysis, and reporting. LINK employs a client/server-based architecture where the LINK server hardware is provided by the end user and resides on the end user’s network. The LINK client is a portable web-based application that may be placed on any computer with network connectivity to the LINK server. For successful import, the LINK webserver requires read access to the folders where user data resides.

MicroCal ITC (isothermal titration calorimeters) are used to study a wide range of biomolecular interactions. The applications range from drug design to fundamental research such as the understanding and regulation of signal transduction pathways.

DETAILS

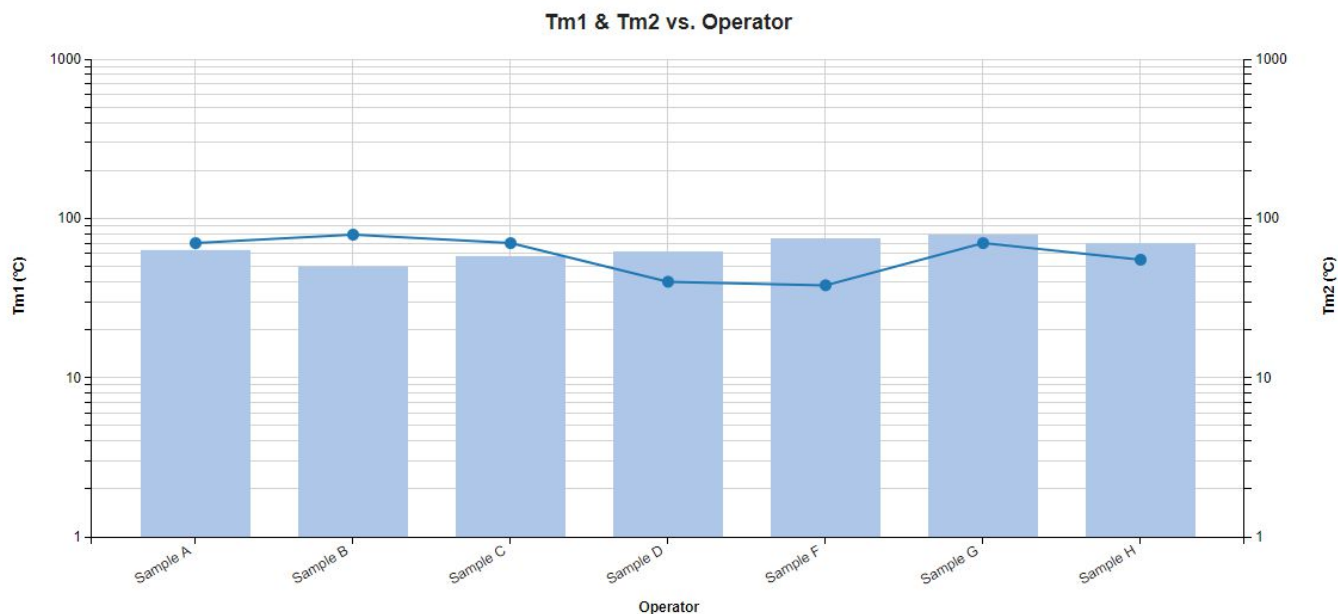
LINK requires a PDF import of MicroCal PEAQ - DSC data. All experimental parameters and results data files from the tabular summary are generated automatically. The PDF report will be included as a series attachment on all charts.

Currently LINK does not import raw curve data.

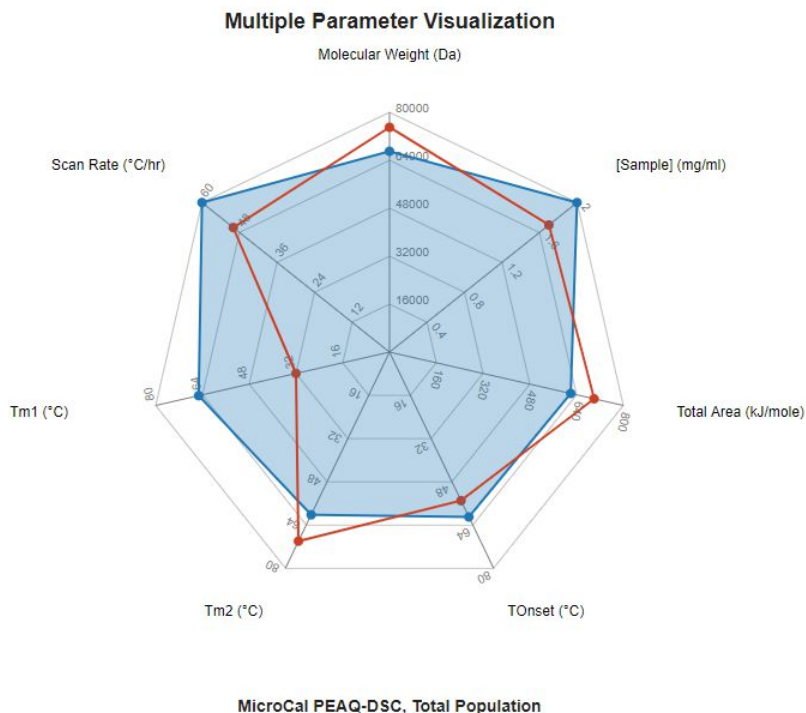
EXAMPLES

Included below are sample dashboards from MicroCal PEAQ measurement files:

1. Line Chart plotting data for Temperature 1 & Temperature 2 vs. Operator



2. Radar Chart plotting multiple parameters with limit lines/acceptance mask



3. Tabular Summary examples:

Measurement Summary Table – Measurement Results

Operator	Scan Rate (°C/hr) - AVG	Tm1 (°C) - AVG	Tm2 (°C) - AVG	Tm3 (°C)	Total Area (kJ/mole) - AVG
Sample A	60	63.29	69.89		
Sample B	60	50.00	79.00	86.49"	620
Sample C	60	58.00	69.89	86	620
Sample D	60	62.00	40.00		
Sample F	60	75.00	38.00	86.49"	620
Sample G	60	79.00	69.89	86	620
Sample H	60	69.77	55.00		

Measurement Summary Table – Instrument Settings

LINK Record ID #	Sample Name	Operator	File Name	Analysis Date	Analysis Software Version - AVG	Instrument Serial Number	Measurement Software Version - AVG	Software Version
1	BSA	Sample A	Link1.pdf	2020-02-19 11:29:00	1.40	MAL1205435	1.40	MicroCal PEAQ-DSC...
2	BSA[2]	Sample B	Link2.pdf	2020-02-19 11:29:00	1.40		1.40	
5	BSA[2]	Sample C	Link2.pdf	2020-02-19 11:29:00	1.40	MAL1205435	1.40	MicroCal PEAQ-DSC...
10	BSA	Sample D	Link1.pdf	2020-02-19 11:29:00	1.40	MAL1205435	1.40	MicroCal PEAQ-DSC...
11	BSA[2]	Sample F	Link2.pdf	2020-02-19 11:29:00	1.40		1.40	
12	BSA[2]	Sample G	Link2.pdf	2020-02-19 11:29:00	1.40	MAL1205435	1.40	MicroCal PEAQ-DSC...
15	BSA	Sample H	MultiDataReport.pdf	2020-02-19 11:29:00	1.40	MAL1205435	1.40	MicroCal PEAQ-DSC...

DASHBOARD DOWNLOAD

Included below is a link to downloadable dashboards for MicroCal PEAQ measurement files:

http://lumetics.com/dashboards/MicroCal_PEAQ/MicroCal_PEAQ.zip

CONTACT LUMETICS

For direct assistance, please contact Lumetics LINK™ Support:

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