

## Markus Klotz GmbH Particle Counters

Syringe®, 3.2 for Abakus® liquid, TCC

### 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.

Klotz is engaged in laser technologies and devices for particle measuring and develops, manufactures and tests the complete product range of optical and electronic components.

### DETAILS

LINK requires the \*.ASC file for importing Klotz data. The Klotz instrument must be configured to auto-generate an ASCII file (ASC) by adding the line WRITEASC=1 under [Company] in the SW-CA.INI-file (if not already present). The following Raw Data will be imported, in addition to all available instrument/analysis settings and parameters calculated by the instrument software:

- Particle count/concentration vs. size

The Klotz ASC data file example is as follows:

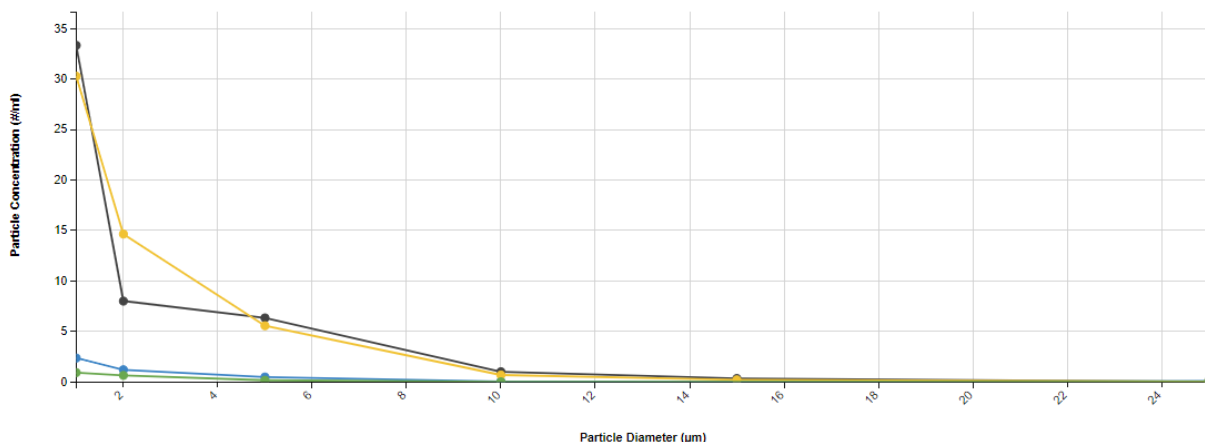
1	Wasser;07.03.2012;Liedesx;VSP_20120307; ; ; ; ; 0,00; 0,00;0;1;0;1;1;5; 50,00; 5,00;000001; ; ; ; ; -;G
2	23,0; 9,0; 2,0; 0,0; 0,0; 0,0; 0,0; 0,0; 0,0
3	22,0; 7,0; 2,0; 0,0; 0,0; 0,0; 0,0; 0,0; 0,0
4	13,0; 4,0; 1,0; 0,0; 0,0; 0,0; 0,0; 0,0; 0,0
5	21,0; 10,0; 4,0; 2,0; 1,0; 1,0; 0,0; 0,0; 0,0
6	23,0; 11,0; 4,0; 0,0; 0,0; 0,0; 0,0; 0,0; 0,0
7	25,0; 13,0; 4,0; 1,0; 1,0; 1,0; 0,0; 0,0; 0,0

### EXAMPLES

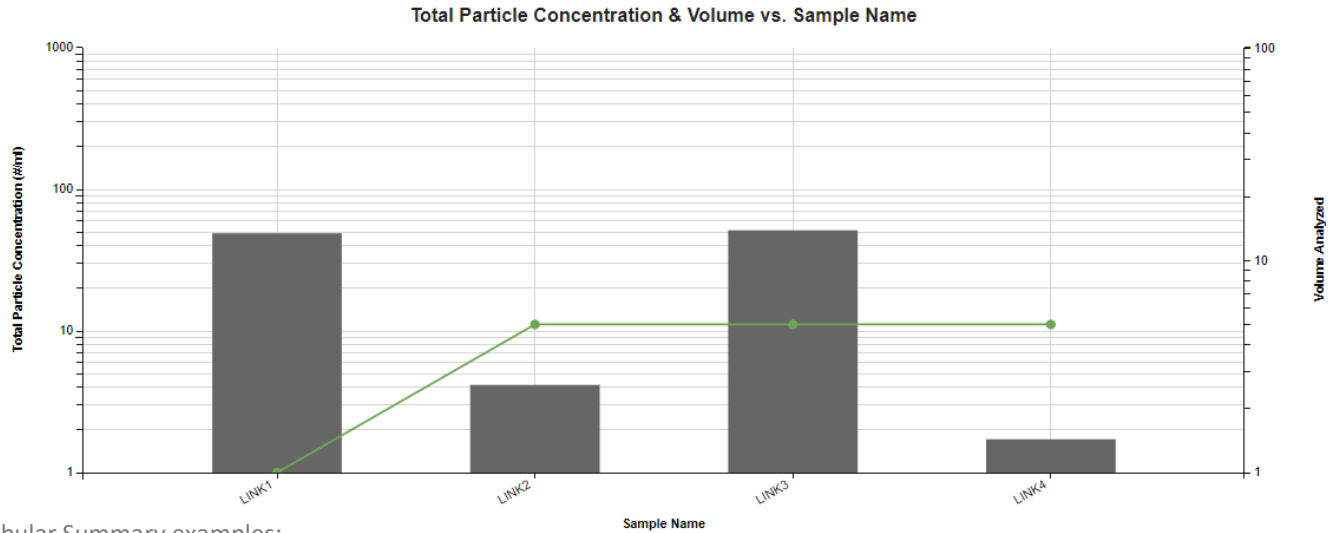
Included below are sample dashboards from Klotz measurement files:

1. Line Chart plotting raw data curves for Particle Concentration vs. Particle Diameter and split by Sample Name

Particle Concentration vs. Particle Diameter



2. Column Chart plotting measurement results for Total Particle Concentration & Volume vs. Sample Name



3. Tabular Summary examples:

Measurement Summary Table – Measurement Results

LINK Record ID #	Sample Name	Total Particle Count (#) - AVG	Total Particle Concentration (#/ml) - AVG	Particle Count (#) (Particle Diam. (µm) >=1) - AVG	Particle Conc. (#/ml) (Particle Diam. (µm) >=1) - AVG	Count (Particle Diam. (µm) >=1) - AVG
1	LINK1	49.00	49.00	49.00	49.00	1.96
2	LINK2	20.80	4.16	20.80	4.16	2.30
3	LINK3	257.00	51.40	257.00	51.40	1.91
4	LINK4	8.60	1.72	8.60	1.72	1.74

Measurement Summary Table – Instrument Settings

LINK Record ID #	Sample Name	File Name	Batch Name	Analysis Date	Sample Volume - AVG	Rinse Measurements Per Bottle - AVG	Measurements Per Bottle - AVG	Material Number - AVG	Dilution Factor (Instrument) - AVG
1	LINK1	Lumetics00000...	Lumetics_2020	2015-03-05 00:...	1	1	3	1	0
2	LINK2	VSP_20120307...	Lumetics_2020	2012-03-07 00:...	5	1	5	1	0
3	LINK3	VSP_20120307...	Lumetics_2020	2012-03-07 00:...	5	1	5	2	0
4	LINK4	VSP_20120307...	Lumetics_2020	2012-03-07 00:...	5	1	5	3	0

**KLOTZ DASHBOARDS**

LINK contains an extensive built-in dashboard library from LINK version 2.4.0.210401 and later. This function contains specific pre-created dashboards for all instruments and application groups.

**CONTACT LUMETICS**

For direct assistance, please contact Lumetics LINK™ Support:

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