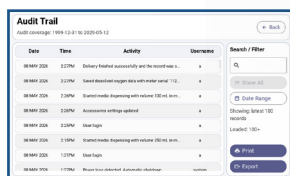
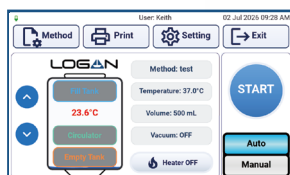
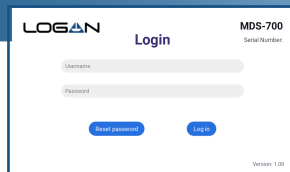


## MDS-700 Media Dispensing System

DEAERATE AND DISPENSE HEATED DISSOLUTION MEDIA INTO SIX VESSELS SIMULTANEOUSLY IN UNDER TWO MINUTES IN A 21 CFR PART 11 COMPLIANT MOBILE SYSTEM



## Key Features

- Designed for LOGAN UDTs, but works with most dissolution tester brands
- Simultaneous filling of 6 vessels in less than 2 minutes
- Unlimited methods
- 99.00% volumetric accuracy (250 mL and above)
- Compatible with surfactants up to 2% SLS
- Tank heat up: ambient to 37°C in < 25 min
- No tank dead volume
- Very easy to switch tanks
- Fills media replacement vessels
- Consistent deaeration across all six vessels < 6 ppm
- 21 CFR Part 11 compliant with robust audit trail
- Fully configurable security system
- Unlimited users and security groups
- Serial number traceability to the dissolution tester, DO and pH meters
- Detailed reports

Improper and inconsistent media deaeration can cause dissolution results to go out of specification (OOS) leading to internal CAPA investigations and scrutiny by regulatory agencies. This is partly due to the manual process of media mixing, deaeration, and accurately dispensing into dissolution vessels. Lab notes, if any, are logged by hand. Furthermore, single-vessel dispensing can lead to inconsistent dissolved oxygen (DO) levels from one vessel to the next. And using surfactant media can cause a whole other set of problems. The entire process lacks data integrity.

Introducing the MDS-700, a mobile media dispensing station that deaerates and accurately dispenses into six vessels simultaneously in a tightly-controlled 21 CFR Part 11 environment. The MDS includes a single-filler wand to fill media replacement vessels and a modular cart engagement design to quickly switch from one media to the next. Using the embedded software interface, simply

follow the on-screen wizard to log in, select your method, pre-heat the tank, log the serial number of the dissolution tester you're about to dispense into, then dispense into 6-vessels, fill the media replacement vessel(s), log the pH value and pH meter serial number, log the DO value and DO meter serial number, and document any observations or noteworthy comments. The entire process is fast and results in a detailed report that is stored in long-term memory and can be printed at any time to your standard network printer or a small serial printer. The MDS has configurability to meet any I.T. security policy and the audit trail has unlimited storage with on-demand printing at any time. The MDS makes it easy to transfer methods from one MDS to another via an embedded USB port, and so much more!

**Roll into the future with the most advanced media dispensing system available.**

## Specifications

<b>Design</b>	Designed for LOGAN UDTs, but works with most dissolution tester brands Mobile system, easy to move Very easy to switch tanks (best practice: dedicate one media to one tank)								
<b>Compliance</b>	Meets USP Toolkit and PVT guidance 21 CFR Part 11 compliant with robust audit trail Detailed reports								
<b>Dispensing</b>	<table border="0"> <tr> <td>Volumetric accuracy</td> <td>  99.00% (250 mL and above)</td> </tr> <tr> <td>Vessel fill volumes:</td> <td>  250 - 2000 mL</td> </tr> <tr> <td>Filling speed:</td> <td>  Fill 6 vessels with 1 L &lt; 2 minutes</td> </tr> <tr> <td>Pre-saved dispensing volumes:</td> <td>  250, 500, 750, 900, 1000 mL</td> </tr> </table> Customizable dispensing volumes Hands-free, sleek dispense manifold Includes single-filler wand for media replacement vessels On-demand purging and priming	Volumetric accuracy	99.00% (250 mL and above)	Vessel fill volumes:	250 - 2000 mL	Filling speed:	Fill 6 vessels with 1 L < 2 minutes	Pre-saved dispensing volumes:	250, 500, 750, 900, 1000 mL
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Surfactant compatibility:	Up to 2% SLS								
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<b>Heating</b>	<table border="0"> <tr> <td>Temperature:</td> <td>  Up to 45 °C</td> </tr> <tr> <td>Temperature accuracy:</td> <td>  ± 0.3 °C delivered</td> </tr> <tr> <td>Heating efficiency</td> <td>  Ambient to 37 °C in &lt; 25 min</td> </tr> </table> External heater-controller to keep off-line media heated (optional)	Temperature:	Up to 45 °C	Temperature accuracy:	± 0.3 °C delivered	Heating efficiency	Ambient to 37 °C in < 25 min		
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Tank dead volume:	0.00 L (zero)								
<b>Security</b>	Complies with your I.T. policy (fully configurable) Customizable security groups Unlimited users and security groups Fully configurable password rules (length, complexity, expiration, etc.)								
<b>Data Integrity</b>	Serial number traceability to dissolution tester Serial number traceability to DO and pH meters (optional)								
<b>Print</b>	On-demand printing to embedded printer or to A4/Letter network printer Detailed reports (dispensing reports, security groups, audit trail, methods)								
<b>User interface – software</b>	Large touchscreen user interface Unlimited methods Storage of last 100 dispense run reports								
<b>Documentation</b>	Includes IQ & OQ documents Certificate of conformity								
<b>Other</b>	<table border="0"> <tr> <td>W x D x H inches:</td> <td>  43 x 23 x 59 (cm: 109 x 58 x 150)</td> </tr> <tr> <td>Power:</td> <td>  110V, 50Hz   220V, 60Hz</td> </tr> <tr> <td>Power cord:</td> <td>  24-foot power cord (~7.3 m)</td> </tr> </table>	W x D x H inches:	43 x 23 x 59 (cm: 109 x 58 x 150)	Power:	110V, 50Hz   220V, 60Hz	Power cord:	24-foot power cord (~7.3 m)		
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Power:	110V, 50Hz   220V, 60Hz								
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## Ordering Information

Part Number	Description
600-9002	MDS-700, Dissolution Media Dispensing System, 110 V
600-9003	MDS-700, Dissolution Media Dispensing System, 220 V
600-8100	Media Cart and Tank Assembly, MDS-700
600-8101	Tank Assembly, MDS-700
600-8102	Universal Dispensing Manifold, MDS-700

For more information, visit [www.Loganinstruments.com](http://www.Loganinstruments.com)