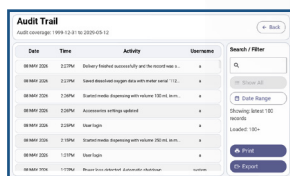
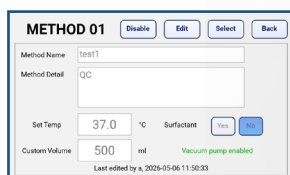
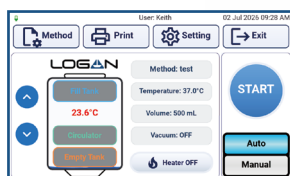
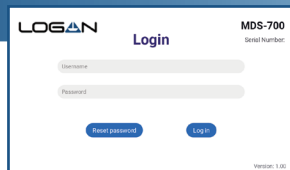


MDS-700 Media Dispensing System

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

Design	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)	
Compliance	Meets USP Toolkit and PVT guidance	
	21 CFR Part 11 compliant with robust audit trail	
	Detailed reports	
Dispensing	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
	Customizable dispensing volumes	
	Hands-free, sleek dispense manifold	
	Includes single-filler wand for media replacement vessels	
Deaeration	On-demand purging and priming	
	Deaeration:	< 6 ppm
	Surfactant compatibility:	Up to 2% SLS
	Filtration:	45 μm
Heating	Consistent deaeration across all six vessels	
	Temperature:	Up to 45 °C
	Temperature accuracy:	± 0.3 °C delivered
	Heating efficiency	Ambient to 37 °C in < 25 min
Tank	External heater-controller to keep off-line media heated (optional)	
	Tank capacity:	40 L
	Tank dead volume:	0.00 L (zero)
Security	Complies with your I.T. policy (fully configurable)	
	Customizable security groups	
	Unlimited users and security groups	
	Fully configurable password rules (length, complexity, expiration, etc.)	
Data Integrity	Serial number traceability to dissolution tester	
	Serial number traceability to DO and pH meters (optional)	
Print	On-demand printing to embedded printer or to A4/Letter network printer	
	Detailed reports (dispensing reports, security groups, audit trail, methods)	
User interface – software	Large touchscreen user interface	
	Unlimited methods	
	Storage of last 100 dispense run reports	
Documentation	Includes IQ & OQ documents	
	Certificate of conformity	
Other	W × D × 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)

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