



## About DYNEX Technologies

The DYNEX product line, including the DSX® and DS2® instrument systems, has a proven track record of quality, innovation and reliability as a worldwide leader in fully automated systems and consumables.

## DYNEX Agility™ Specifications

Dimensions	Metric	Non Metric
Width:	<1200 mm	48"
Depth:	<900 mm	36"
Height:	<1200 mm	48"
Footprint:	<1200 x 650 mm	48" x 26"
Bench Weight:	204 kg (max.)	450 lbs (max.)
Ship Weight:	340 kg (max.)	750 lbs (max.)
Noise:	Noise output <80 dB	

### Power Requirements

Voltage:	100 – 240V automatic switching
Frequency:	50/60 Hz
Power Consumption:	Typically 500 VA (online UPS required)

## Reader Specifications

Photometric Range:	0.000 to 3.500 OD
Spectral Range:	405 nm to 690 nm
Precision:	±0.010 OD at 0.000 to 0.500 OD <1% CV at 0.501 to 2.000 OD <1.5% CV at 2.001 to 2.500 OD
Accuracy:	±0.01 or 2.5% (0.000 to 3.000 OD) whichever is greater
Read Time:	<25 seconds, single wavelength <50 seconds, dual wavelength

## Washer Specifications

Manifold Configuration:	8-way wash head
Programmable Volumes:	50-999 µl
Wash Containers:	4 wash bottles at 3.0 L, with quantitative level sensing
Clean Container:	1 wash bottle at 3.0 L, with quantitative level sensing
Waste Container:	10 L with quantitative level sensing
Residual Wash Volume:	<3 µl per well with dual-axis sweep in a flat bottom well
Dispense Precision:	≤5% CV (with 300 µl in a 96 well plate)

## Incubator Specifications

Number of Incubators:	Up to 12 (Ambient / Elevated)
Temperature Range:	RT + 4° C to 45° C (Elevated Incubator) RT + 4° C (Ambient Incubator)
Temperature Accuracy:	± 1° C
Shaking:	14 Hz periodic or continuous

## System Specifications

Number of Plates:	12 (additional continuous load capability)
Number of Sample Tubes:	200 (additional continuous load capability)
Number of Reagents:	Up to 16 different SmartKit™ Reagent Packs simultaneously (additional packs can be added using continuous load capability)
Number of Pipettes:	2 (sample + reagent)

## Sample Pipetting Specifications

Sample Tip Size:	300 µl
Sample Pipetting Volume:	10-250 µl
Time to Dispense:	11 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep well plates
Sample Pipetting Precision:	≤3% CV (at any operating volume above 10 µl)
Sample Pipetting Accuracy:	± 2% of target volume
Dilution Range:	1 part in 199 one-stage dilution, 1 part in 39,601 two-stage dilution
Number of Sample Tips:	20 racks of 112 tips (additional racks can be added using continuous load capability)
Sample Tube Dimensions:	10-17 mm diameter external dimension, 45-100 mm depth

## Reagent Pipetting Specifications

Reagent Tip Size:	1300 µl
Reagent Pipetting Volume:	20-1200 µl
Number of Reagent Tips:	1 rack of 98 tips (additional racks can be added using continuous load capability)
Reagent Pipetting Precision:	≤3% CV at 10 shots at any volume in operating range
Reagent Pipetting Accuracy:	±2% of target volume (single shot mode)

## Regulatory Compliance

Electromagnetic Perturbation:	EMC Directive 2004/108/EC; EN 61326-2-6:2006, IEC 61326-1:2006
Electrical Safety:	BS EN 61010-1:2001, IEC 61010-1:2001, IEC 61010-2-101
Lead-free:	All components are RoHS compliant
IVDD:	CE marked per IVD 98/79/EC Directive

DYNEX Agility™ is undergoing the final stages of development.  
All attributes and specifications presented herein are subject to change.

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ISO13485 CERTIFIED