Technical Specifications and Requirements

Physical Properties

WalkAway-40 *plus*	29 in H x 38.5 in W x 34 in D; 375 lbs (74cm x 98cm x 86cm; 169.8 kg)
WalkAway-96 *plus*	37 in H x 38.5 in W x 34 in D; 400 lbs (94cm x 98cm x 86cm; 181.2 kg)
Color	Two-tone gray
Interface connector	Serial interface connector (two): daisy-chained RS 232 “In” port toward computer, “Out” port away from computer

Power Requirements

Line voltage	100/120/220/230/240 VAC selected by internal jumpers
Line frequency	50/60 Hz ±5%
Line current	9 A (nominal), 11 A (maximum) for 100/120 VAC operation 4.5 A (nominal), 5.5 A (maximum) for 220/230/240 VAC operation
Power loss protection	Circuitry provided to ensure fail-safe operation; power interruption will not result in a hazard; automatic restart
Heat generation	3,400 BTU/hour

Recommended Laboratory Environmental Conditions

Temperature (operating)	59°F to 80.6°F (15°C to 27°C)
Humidity	30% to 80% RH (no condensation)

Safety Requirements

Peak noise	<80 db at peak
Ground impedance	0.1 Ω (maximum)
Dielectric withstand voltage	No dielectric breakdown (at 1,400 VDC for one minute)
Leakage current	< 0.5 mA
Removable power cord	3-conductor, 14 AWG (100/120 V) 3-conductor, 16 AWG (220/230/240 V)
Interlocks	Provided on panel access door, the dispense drawer, and incubator door
Power plug	NEMA type 5-15P/IEC 60320 type C14
Certifications and markings	CE Marking – In-Vitro Diagnostic Medical Devices Regulation 2017/74

Overcurrent Protection

Fusing	Primary fuses F1 and F2, IEC 5 x 20 mm size (0.2 in x 0.79 in) time lag/slowblow type, 250 V rated, 12 A (100/120 V)/ 6.3 A (220/230/240 V)
Light source	Tungsten-halogen lamp, 50 W, 12 V Tungsten-halogen lamp, TL 21/2, 15 W, 9.75 V

Display

2-line, 20-character alphanumeric vacuum fluorescence display

Temperature Control

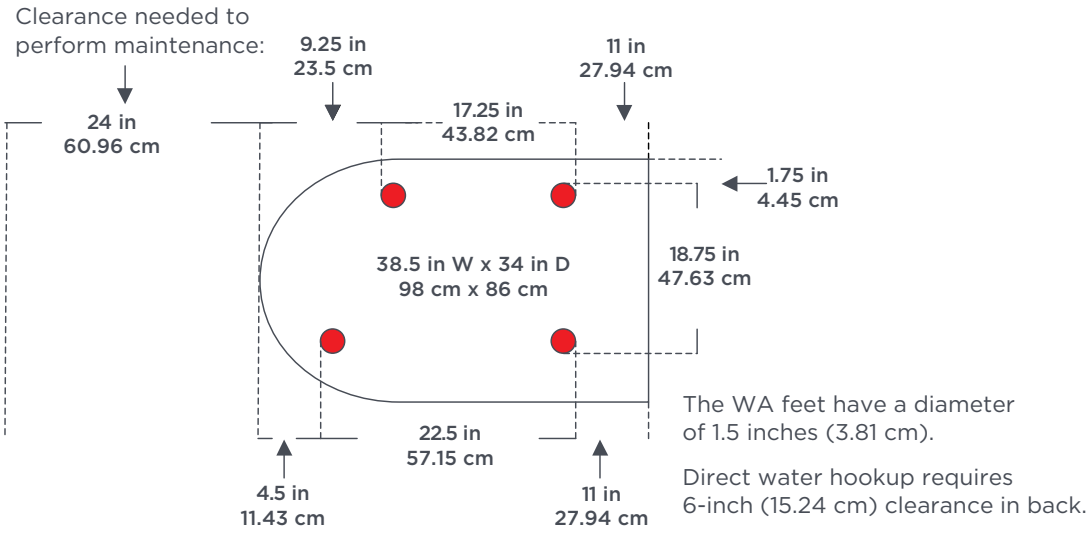
Set by computer at 95°F ±1.8°F (35°C ±1°C)

Barcode

Code 39 standard conformance

Performance

Panel capacity for WalkAway-40 *plus* System	40 MicroScan panels with 96 wells each of any type compatible with the incubator environment; up to eight panel towers with five panels each
Panel capacity for WalkAway-96 *plus* System	96 MicroScan panels with 96 wells each of any type compatible with the incubator environment; up to eight panel towers with 12 panels each
Reagent type capacity	10 reagents total
Reagent dispense volume (µl)	15 to 75, depending on reagent dispensed
Oil dispense volume (µl)	60 to 150
Operator interface	Front-panel controls and PC keyboard, monitor and LabPro software



Information contained herein applies only to the WalkAway *plus* instrument and not the LabPro computer system or printers. Specifications are for WalkAway *plus* instrumentation only and do not reflect current peripheral equipment.

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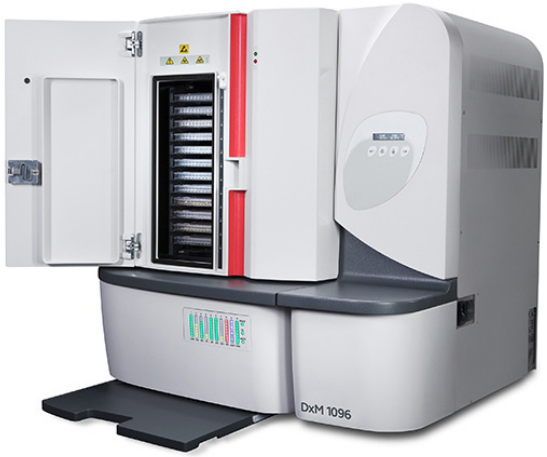
Technical Specifications and Requirements



Physical Properties

DxM 1040 MicroScan WalkAway	29 in H x 38.5 in W x 34 in D; 376 lbs (74 cm x 98 cm x 86 cm; 171 kg)
DxM 1096 MicroScan WalkAway	37 in H x 38.5 in W x 34 in D; 410 lbs (94 cm x 98 cm x 86 cm; 186 kg)
Color	White with gray trim
Interface connector	RJ-45 carrying RS-232 protocol

Power Requirements

Line voltage	100/120/220/230/240 VAC selected by internal jumpers
Line frequency	50/60 Hz ±5%
Line current	9 A (nominal), 11 A (maximum) for 100/120 VAC operation 4.5 A (nominal), 5.5 A (maximum) for 220/230/240 VAC operation
Power loss protection	Circuitry provided to ensure fail-safe operation; power interruption will not result in a hazard; automatic restart
Heat generation	3,400 BTU/hour

Recommended Laboratory Environmental Conditions

Temperature (operating)	59°F to 80.6°F (15°C to 27°C)
Humidity	30% to 80% RH (no condensation)

Safety Requirements

Peak noise	<80 db at peak
Ground impedance	0.1 Ω (maximum)
Dielectric withstand voltage	No dielectric breakdown (at 1,400 VDC for one minute)
Leakage current	< 0.5 mA
Removable power cord	3-conductor, 14 AWG (100/120 V) 3-conductor, 16 AWG (220/230/240 V)
Interlocks	Provided on panel access door, reagent dispense drawer, and incubator door
Power plug	Power plug NEMA type 5-15P/IEC 60320 type C14 (included in US and Japan only)
Certifications and marking	CE Marking – In-Vitro Diagnostic Medical Devices Regulation 2017/74

DxM MicroScan WalkAway System

Overcurrent Protection

Fusing	Primary fuses F1 and F2, IEC 5 x 20 mm size (0.2 in x 0.79 in) time lag/slowblow type, 250 V rated, 12 A (100/120 V)/ 6.3 A (220/230/240 V)
Light source	Tungsten-halogen lamp, 50 W, 12 V Tungsten-halogen lamp, TL 21/2, 15 W, 9.75V

Display

2-line, 20-character alphanumeric vacuum fluorescence display

Temperature Control

Set by computer at 95°F ±1.8°F (35°C ±1°C)

Barcode

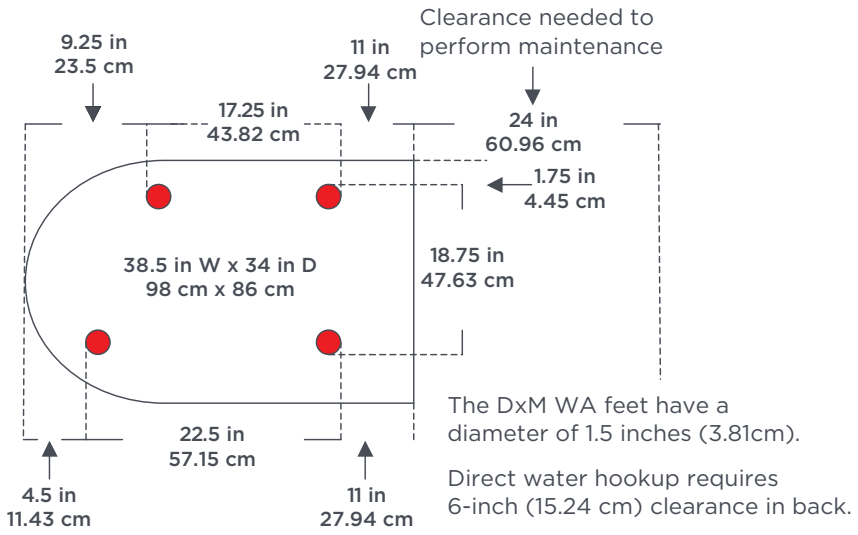
Code 39 standard conformance

Performance

Panel capacity for DxM 1040 MicroScan WalkAway	40 MicroScan panels—with 96 wells each—of any type compatible with the incubator environment; up to eight panel towers with five panels each
Panel capacity for DxM 1096 MicroScan WalkAway	96 MicroScan panels—with 96 wells each—of any type compatible with the incubator environment; up to eight panel towers with 12 panels each
Reagent type capacity	10 reagents total
Reagent dispense volume (µl)	15 to 90, depending on reagent dispensed and panel type
Oil dispense volume (µl)	60 to 150
Operator interface	Front-panel controls and PC keyboard, monitor and LabPro software

External Water Specifications

Recommended use of Millipore® AFS-8 system	Pressure must be 13–16 PSI with a maximum rate of 8 L per hour



Specifications are for DxM MicroScan WalkAway instrumentation only and do not reflect current peripheral equipment including LabPro computer system or printers.

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