

Aurora Discovery NanoRAPTR



Manufacturer: Aurora Discovery
Model Number: NanoRAPTR
Web Address: www.auroradiscovery.com

The Nanoliter Rapid Transfer Robot (NanoRAPTR) is a highly versatile, automated workstation for low volume aspirate and dispense operations. The high performance, 8-tip head and dual plate carrier stage allow for high speed aspiration and dispense of 100nL to 250uL volumes of liquid with extremely high precision and accuracy. With various configurations, this instrument provides users with the ability to complete reagent addition, spotting, cell based assays, SNP assays, and cell wash functions in high density microtiter plates, slides, and chips.

Nanoliter Rapid Transfer Robot: Commands

- ▶ **AbortScript()** - Stop executing current script (once current step is finished processing).
- ▶ **ExecuteScript()** - Start execution of a script.
- ▶ **GetBarcodeRead(position)** - Returns the string containing the barcode for the given position.

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| position | Integer | Specifies the position, 0 if it is left plate carrier, 1 if it is right plate carrier. |
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- ▶ **GetDispensedMapDirectory()** - Returns string containing the path of the where the dispensed volume map files are kept.
- ▶ **GetInstrumentVersionString()** - Returns string containing the instrument's control software version.
- ▶ **GetVersionString()** - Returns the string containing the instrument version number.
- ▶ **GoLoadPosition()** - Moves the plate carrier to the load position.
- ▶ **IsAtLoadPosition()** - Returns true if the instrument is at load position, otherwise false.
- ▶ **IsClamped(position)** - Returns true if the plate clamp is on, otherwise false.

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| position | Integer | Specifies the position, 0 if left plate carrier is used, 1 if right plate is used. |
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- ▶ **LoadScript(path)** - Loads the script steps from the given filepath.

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| path | String | Full path name to the script. |
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▶ **Notify(ncode)** - Creates an event that will continue executing the current script.

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| ncode | Integer | Notify value to send to the control software. 1 - continue |
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Nanoliter Rapid Transfer Robot: Errors

🔥 **DispenserError(errorCode, errorDescription)** - Error occurred during command execution.

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| errorCode | Integer | Error code number. |
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| errorDescription | String | Error description. 1 - Toolkit is already initialized. 2 - Product path specified in the Initialize method is invalid. 3 - Toolkit fails to initialize the NanoRAPTR. 4 - Bad command. 5 - Bad parameter. other - Please refer to NanoRAPTR error data file. |
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ReTiSoft Inc.
 366 Revus Avenue, Unit 21
 Mississauga, Ontario, Canada, L5G-4S5
 Main: 647-724-2398 Europe: 33-9-7518-0225
 Web: www.retisoft.ca Email: prodziew@retisoft.ca