

# INTEGRA



**VIAFLO ASSIST** Automating Multichannel Pipettes  
Best Results – Unmatched Ergonomics

# VIAFLO ASSIST Your personal pipetting assistant

Multichannel pipettes are invaluable when working with multiwell plates. However, prolonged and repetitive pipetting sessions bear the risk of strain and fatigue, often resulting in repetitive strain injuries (RSI) and less reproducible results.

VIAFLO ASSIST together with INTEGRA's new VIAFLO II electronic pipettes form the perfect symbiosis to prevent users from RSI and to significantly increase the reproducibility of prolonged pipetting protocols such as serial dilutions, plate fillings and reagent additions.

Simply mount any VIAFLO II electronic pipette onto the VIAFLO ASSIST pipette adaptor, choose a pipetting protocol and press the run button. VIAFLO ASSIST will then obtain the protocol via Bluetooth from the VIAFLO II electronic pipette and automatically execute the desired application.

## How it works

### 1 Set up VIAFLO ASSIST

Based on your application, choose an 8-, 12- or 16-channel VIAFLO II pipette and click it into the smart pipette adaptor of the VIAFLO ASSIST. Load your multiwell plate and the sample container.

### 2 Select a pipetting protocol



For a quick set up, choose between three predefined pipetting protocols. For more elaborate pipetting needs, custom programs can be created. All programs are set up with the Touch Wheel controlled user interface of the pipette.

### 3 Execute the pipetting protocol

Press the VIAFLO ASSIST start button to initiate the fully automated processing of the selected pipetting protocol.



reddot award 2014  
winner

## Labware compatibility

You can use plates from 6-wells to 384-wells and work with them in portrait or landscape orientation. Samples can be aspirated from a 10 ml, 25 ml or 100 ml reagent reservoir, strip tubes, a multiwell plate or an external source.

## Bluetooth

The communication between VIAFLO II pipette and VIAFLO ASSIST is established via Bluetooth, supporting simple wireless connectivity.



## Ergonomics

No matter how light and well balanced a pipette is, prolonged pipetting tasks remain physically and mentally challenging. While some steps always need to be performed manually, many other steps can be automated. To prevent RSI, caused by extensive repetitive motions, manual pipetting should be minimized. VIAFLO ASSIST lets you switch between essentially manual and optionally automated pipetting tasks on the fly, relieving you of much of the pipetting burden.

## Better pipetting results

The major source of problems in pipetting performance are human pipetting errors. The tip immersion depth and pipetting angle might differ slightly from column to column even within the same plate. Both factors influence pipetting performance and can lead to ambiguous test results. Automating the pipetting procedure leads to reproducible results and eliminates errors.



## Technical data

Dimensions (W x D x H)	34 cm x 36 cm x 40 cm
Weight	10 kg
Operating conditions	Temperature: 5°C - 40°C, Humidity: < 85% non-condensing
Power requirements	100 - 240 VAC, 50/60 Hz
Pipetting technology	Air displacement

## VIAFLO II Electronic Pipettes

VIAFLO II electronic pipettes together with INTEGRA's wide range of GripTips form a perfect pipetting system. GripTips snap into place with minimal tip loading effort, providing a secure connection. GripTips never fall off and are always perfectly aligned, resulting in superior accuracy and precision. The significantly reduced and well balanced weight of VIAFLO II pipettes feature unsurpassed multichannel pipetting ergonomics.

## Serial dilutions

Carry out serial dilutions in portrait and landscape format. Transferring and mixing is done automatically.



## Plate fillings

Save time filling 96-well plates in portrait mode using a 12-channel pipette or filling a 384-well plate in one pass using a 16-channel pipette!



## Reagent additions

Small volumes can be aspirated from PCR strip tubes. Alternatively, different reagent reservoirs can be used.





# Ordering information


Instrument	Description	Volume range	Part No.	
VIAFLO ASSIST	Pipetting platform, incl. a reservoir sample pack of each size		4500	
VIAFLO II Electronic Pipettes*	8-channels	0.5 - 12.5 µl	4621	
		2 - 50 µl	4626	
		5 - 125 µl	4622	
		10 - 300 µl	4623	
		50 - 1250 µl	4624	
	12-channels	0.5 - 12.5 µl	4631	
		2 - 50 µl	4636	
		5 - 125 µl	4632	
		10 - 300 µl	4633	
		50 - 1250 µl	4634	
	16-channels	0.5 - 12.5 µl	4641	
		2 - 50 µl	4646	
		5 - 125 µl	4642	



Charging options	Part No.
Linear stand (Holds up to 4 charging stations; mains adapter and charging stations sold separate)	3215
Mains adapter, for use with linear stand	3216
Charging station for linear stand (incl. connection cable)	3217
Charging/communication station for linear stand (incl. connection cable and USB cable)	3218
Mains adapter for electronic pipette	4200
Single pipette charging stand, incl. mains adapter	4210
Charging/communication stand, incl. mains adapter	4211
Carousel charging stand for 4 pipettes, incl. mains adapter	4215

\* Note: Every VIAFLO II Electronic Pipette, which is used with VIAFLO ASSIST needs its own Bluetooth module (Part No. 4221).

Accessories	Part No.
Pipette Li-ion battery	4205
Bluetooth module for VIAFLO II / VOYAGER II pipettes	4221

GripTips	Tip size	Description	Part No.	Part No.	Part No.
			Sterile Filter	Sterile	Non-Sterile
	12.5 µl LONG	5 Racks of 384 GripTips	4405	4404	4403
	12.5 µl	5 Racks of 384 GripTips	4415	4414	4413
	50 / 125 µl	5 Racks of 384 GripTips	4425	4424	4423
	300 µl	5 Racks of 96 GripTips	4435	4434	4433
	1250 µl	5 Racks of 96 GripTips	4445	4444	4443
GREENCHOICE Refills	12.5 µl LONG	5 Inserts of 384 GripTips		4406	4402
	12.5 µl	5 Inserts of 384 GripTips		4416	4412
	50 / 125 µl	5 Inserts of 384 GripTips		4426	4422
	300 µl	5 Inserts of 96 GripTips		4436	4432
	1250 µl	5 Inserts of 96 GripTips		4446	4442
Bulk packaging	12.5 µl LONG	1 Bag of 1000 GripTips			4401
	12.5 µl	1 Bag of 1000 GripTips			4411
	50 / 125 µl	1 Bag of 1000 GripTips			4421
	300 µl	1 Bag of 1000 GripTips			4431
	1250 µl	1 Bag of 500 GripTips			4441
Reagent reservoirs	10 ml	Reservoir base, 10 bases per case			4306
		Disposable reservoirs, 30 individually sealed, sterile			4331
		Disposable reservoirs, 4 sleeves of 50, sterile			4332
	25 ml	Reservoir base, 10 bases per case			4304
		Disposable reservoirs, 30 individually sealed, sterile			4311
		Disposable reservoirs, 4 sleeves of 50, sterile			4312
	100 ml	Reservoir base, 10 bases per case			4305
		Disposable reservoirs, 30 individually sealed, sterile			4321
		Disposable reservoirs, 4 sleeves of 50, sterile			4322



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