

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 adapter of the VIAFLO ASSIST. Load your multiwell plate and the sample container.

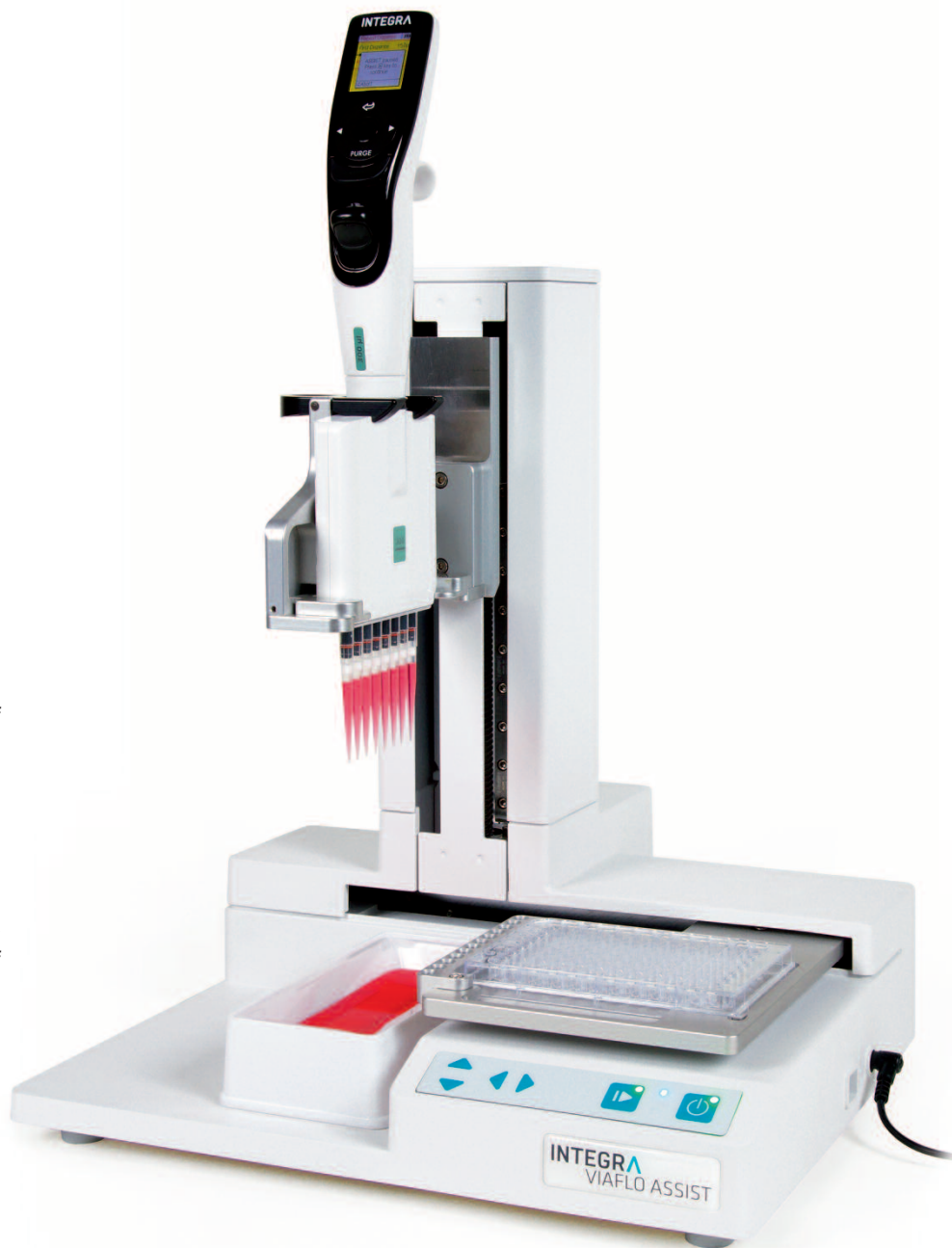
2 Select a pipetting protocol



For a quick set up, choose between 3 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.



Labware compatibility

You can use plates from 12-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, from strip tubes, from a multiwell plate or from 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

The 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 the 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.

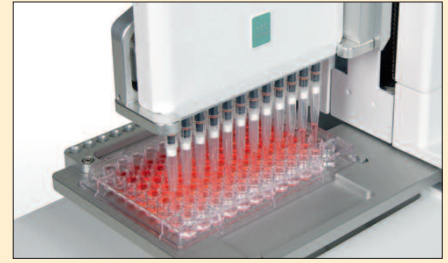
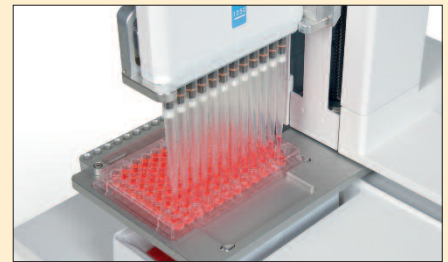


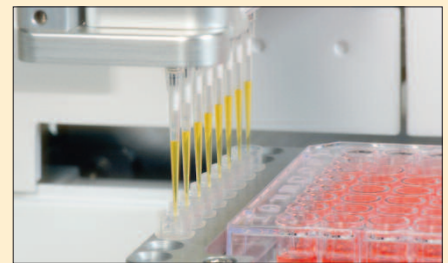
Plate fillings

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* Bluetooth module and power supply not included	8-channels	0.5 - 12.5 µl	4621
		5 - 125 µl	4622
		10 - 300 µl	4623
		50 - 1250 µl	4624
	12-channels	0.5 - 12.5 µl	4631
		5 - 125 µl	4632
		10 - 300 µl	4633
		50 - 1250 µl	4634
	16-channels	0.5 - 12.5 µl	4641
		5 - 125 µl	4642



Accessories	Part No.
VIAFLO II Pipette Bluetooth module*	4221
Universal voltage power supply	4200
VIALINK programming stand, with power supply	4211
Single pipette charging stand, with power supply	4210
Four pipette charging stand, with power supply	4215

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

GripTips	Tip size	Description	Part No.	Part No.	Part No.	
			Sterile Filter	Sterile	Non-Sterile	
	12.5 µl LONG	5 Boxes of 384 GripTips	4405	4404	4403	
	12.5 µl	5 Boxes of 384 GripTips	4415	4414	4413	
	125 µl	5 Boxes of 384 GripTips	4425	4424	4423	
	300 µl	5 Boxes of 96 GripTips	4435	4434	4433	
	1250 µl	5 Boxes of 96 GripTips	4445	4444	4443	
			Pre-Sterilized	Non-Sterile		
GREENCHOICE Refills	12.5 µl LONG	5 Inserts of 384 GripTips		4406	4402	
	12.5 µl	5 Inserts of 384 GripTips		4416	4412	
	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	
			Non-Sterile			
Bulk packaging	12.5 µl LONG	1 Bag of 1000 GripTips			4401	
	12.5 µl	1 Bag of 1000 GripTips			4411	
	125 µl	1 Bag of 1000 GripTips			4421	
	300 µl	1 Bag of 1000 GripTips			4431	
	1250 µl	1 Bag of 500 GripTips			4441	
			Volume	Part No.		
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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