



Picus® & Picus® NxT Electronic Pipettes

The Most Sophisticated and Ergonomic Pipettes Ever!



Technical Specifications

Rechargeable battery	Li-Polymer with protection circuit
Charging time	Approx. 1 hour
Charger	Universal charger with EU, US JPN, UK, CHN, AUS and KOR plugs
Weight	100 g (1-ch, 300 µl) 160 g (8-ch, 300 µl)
Length	210 mm (1-ch, 300 µl) 216 mm (8-ch, 300 µl)
Number of pipetting cycles	>1000
Volume range	1-ch: 0,2-10 000 µl 8- & 12-ch: 0,2-1200 µl
Pipetting modes	Picus®: 8 + 6 Picus® NxT: 8 + 7
DC-motor concept	Electronic piston control Electronic brake
Memory places	10
Tip ejection	Electronic
Spring loaded tip cones	Optiload feature in multichannel models
Filters	Safe-Cone Filters in all models > 10 µl
Autoclavable lower parts*	121°C, 20 min, 1 bar
RFID-enabled	Picus® NxT
Charging Stands, available separately	Charging Stand for 1 pipette, Charging Carousel for 4 pipettes
Warranty	2 years, possibility for 1 year extended warranty

*Excluding 1200 µl multichannel models

Pipetting Modes	Additional Modes
Pipetting	Tracker, Mixing, Counter, Repeated Blow-out*
Reverse Pipetting	Tracker, Counter, Excess Volume Adjustment
Manual Pipetting	Repeated Blow-out*
Multi Dispensing	Tracker, Excess Volume Adjustment, Auto Dispensing
Diluting	Mixing, Repeated Blow-out*
Sequential Dispensing	Excess Volume Adjustment
Multi Aspiration	Repeated Blow-out*
Titrate	Fast Dispensing

*Additional mode Repeated Blow-out is only available in Picus® NxT models

Introduction

Laboratory work often requires repetition of similar pipetting steps, day after day. This may cause strain on the hand and arm, and thus may compromise results. To minimize this risk, a highly ergonomic electronic pipette should be used for minimum effort and strain.

Description

Sartorius Picus® & Picus® NxT are the most sophisticated and ergonomic electronic pipettes on the market. These exceptionally compact and lightweight pipettes have been specially designed to ease the user's workload and to protect the user from repetitive strain injury (RSI). The newest technology and fully electronic operation assure high accuracy and precision of the results, independent of the user. Picus® NxT provides distinct advantages for highly regulated laboratories.

Features

Picus® & Picus® NxT

- Highest level of ergonomics provided by uniquely low weight, light electronic tip ejection and comfortable handle design
- Extensive range of pipetting modes reduces the needed pipetting steps and speeds up work
- Electronic brake and piston control system provide outstanding accuracy and repeatability of pipetting results, independent of the user

- Intuitive user interface in five language options: English, French, German, Russian and Chinese, enables ease of use
- Adjustment wheel offers extremely fast volume setting and menu navigation
- Optiload enables perfect tip sealing for accurate delivery from each channel
- Safe-Cone Filters prevent the risk of contamination cost-effectively
- Microwell plate tracker guides the user to pipette into correct wells
- Calibration adjustment in 1, 2 or 3 points

Picus® NxT

- Certificate of accredited 3-point calibration (per ISO 17025 and ISO 8655) delivered with the product at no extra charge
- RFID-enabled to support asset management
- Password protection for stored programs to prevent unauthorized changes (optional)
- Repeated blow-out helps to dispense the last droplets of e.g. viscous liquids

Applications

- PCR and other DNA/RNA techniques
- ELISA
- Protein analysis
- Cell culture

Intended use

Fully electronic liquid handling in the volume range of 0,2 µl to 10 ml.

Ordering Information

Picus® Order Code	Picus® NxT Order Code	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	System. Error (%)	Random Error (%)	Safe-Cone Standard	Filters: Plus	Optifit Tips* (µl)	SafetySpace™ Filter Tips* (µl)
735021	LH-745021	1	0,2-10	0,01	10 5 1	0,90 1,00 2,50	0,40 0,70 1,50	-	-	10	10
735041	LH-745041	1	5-120	0,10	120 60 12	0,40 0,60 2,00	0,15 0,20 1,00	721008	721018	200 350	120
735061	LH-745061	1	10-300	0,20	300 150 30	0,40 0,60 1,50	0,15 0,20 0,80	721007	721017	350	300
735081	LH-745081	1	50-1000	1,00	1000 500 100	0,40 0,60 1,50	0,15 0,20 0,50	721006	721016	1000	1000
735101	LH-745101	1	100-5000	5,00	5000 2500 500	0,50 0,80 1,00	0,15 0,20 0,40	721005	721015	5000	-
735111	LH-745111	1	500-10000	10,00	10000 5000 1000	0,60 1,20 3,00	0,20 0,30 0,60	721005	721015	10000	-
735321	LH-745321	8	0,2-10	0,01	10 5 1	0,90 1,50 4,00	0,50 0,80 3,00	-	-	10	10
735341	LH-745341	8	5-120	0,10	120 60 12	0,50 0,70 2,00	0,20 0,30 1,50	721008	721018	200 350	120
735361	LH-745361	8	10-300	0,20	300 150 30	0,50 0,70 2,00	0,20 0,30 1,00	721007	721017	350	300
735391	LH-745391	8	50-1200	1,00	1200 600 120	0,50 1,00 2,50	0,20 0,30 1,00	721006	721016	1200	1200
735421	LH-745421	12	0,2-10	0,01	10 5 1	0,90 1,50 4,00	0,50 0,80 3,00	-	-	10	10
735441	LH-745441	12	5-120	0,10	120 60 12	0,50 0,70 2,00	0,20 0,30 1,50	721008	721018	200 350	120
735461	LH-745461	12	10-300	0,20	300 150 30	0,50 0,70 2,00	0,20 0,30 1,00	721007	721017	350	300
735491	LH-745491	12	50-1200	1,00	1200 600 120	0,50 1,00 2,50	0,20 0,30 1,00	721006	721016	1200	1200

*Low Retention Tips are available in volumes up to 1200 µl

All pipettes include universal charger (EU, UK, US | JPN, AUS and CHN plugs)

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