

Liquid handling

FluidEase Pro ClipTip electronic pipettes

Thermo Scientific™ FluidEase™ Pro ClipTip™ electronic pipettes combine a secure Thermo Scientific™ ClipTip™ attachment with the first large, high-resolution pipette touchscreen on the market, as well as intelligent power management, and advanced programming capabilities to support confident, reproducible pipetting across routine and demanding laboratory workflows.

Designed to simplify electronic pipetting while expanding control and standardization, FluidEase Pro pipettes enable both new and experienced users to work efficiently with minimal setup time, reduced physical strain, and consistent performance across operators and applications.

Large, high-resolution touchscreen interface

FluidEase Pro pipettes are the first electronic pipettes on the market to feature a large, high-resolution touchscreen, redefining how users interact with electronic pipetting. By transforming setup and protocol execution into a clear, visual experience, the touchscreen reduces complexity, shortens training time, and supports confident operation from the first use.

- Direct editing of only the parameter you need—without navigating layered menus
- Intuitive, gesture-based interaction aligned with familiar smart device experiences
- Clear visual feedback for volumes, speeds, and protocol steps throughout the workflow

This touchscreen-driven approach enables rapid onboarding for new users, reduces setup errors, and supports consistent, reproducible execution across users—while giving experienced scientists faster and more efficient access to advanced workflow control.



User interface designed for global laboratories

FluidEase Pro pipettes feature a multilingual user interface with 6 language options, supporting harmonized operation across global laboratory networks. This design enables international teams to align workflows, improve consistency between regions and sites, and support scalable laboratory operations worldwide.

Expanded workflow capabilities and speed

FluidEase Pro pipettes offer one of the widest speed selections available, giving users precise control over pipetting behavior across a broad range of applications, liquid types, and workflow demands. By enabling users to tailor aspiration and dispense speeds to the task at hand, FluidEase Pro pipettes help optimize performance, reduce variability, and improve overall workflow efficiency.

- Gentle handling for sensitive or viscous samples, helping preserve sample integrity
- Faster operation to support high-throughput workflows and time-critical applications
- Flexible execution of unique, multi-step, and demanding protocols requiring precise control

These levels of speed and flexibility allow laboratories to standardize workflows without sacrificing adaptability, supporting both routine and advanced applications with confidence.



Feel confident with every dispense

Thermo Scientific™ ClipTip™ technology ensures secure tip attachment, keeping tips firmly in place throughout every pipetting cycle. Once attached, tips remain secured and are released only through intentional ejection, giving users full control during operation and confidence in every dispense.

Reliable sealing for reproducible results

The Thermo Scientific™ ClipTip™ system creates a consistent, reliable seal between pipette and tip, helping ensure stable volume delivery from dispense to dispense. By minimizing variability at the tip interface, ClipTip technology supports reproducibility across repeated cycles and helps protect sample integrity in both routine and demanding workflows.

Electronic tip ejection with reduced strain

FluidEase Pro pipettes feature electronic tip ejection, reducing the force required during tip removal.

- Reduces hand and thumb strain
- Indicates when tip ejection is possible with LED illumination
- Supports safer, more comfortable and more controlled operation during repetitive tasks

Index finger operation for ergonomic pipetting

Designed for index finger operation, FluidEase Pro pipettes reduce reliance on the thumb and promote a more natural hand posture during pipetting. By minimizing awkward or repetitive movements, this design helps reduce strain during extended use and supports greater comfort and control throughout the workday.

Designed for everyday comfort and balance

FluidEase Pro pipettes are engineered with improved ergonomics to support comfortable, controlled pipetting throughout the day. Optimized balance and thoughtful weight distribution help reduce physical effort, making the pipette well suited for both routine tasks and high-throughput workflows.

- Better balance in the hand
- Designed to support extended daily use
- Helps reduce fatigue in routine and high-throughput environments

Intelligent power management and fast, scalable charging

FluidEase Pro pipettes are designed to support uninterrupted laboratory workflows through intelligent power management and fast, flexible charging solutions. Power-safe mode functions help protect battery performance, while versatile charging keeps pipettes ready for use in demanding laboratory environments.

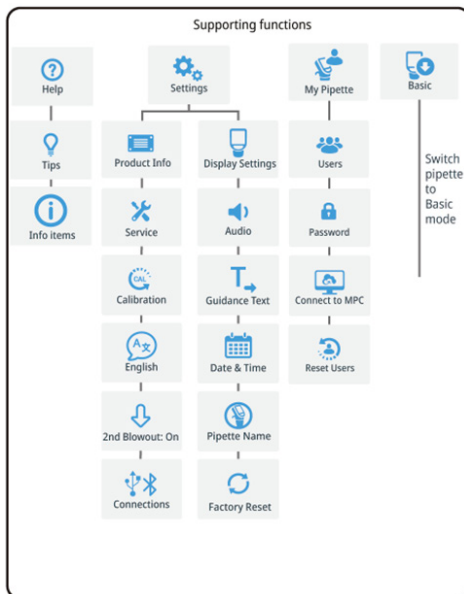
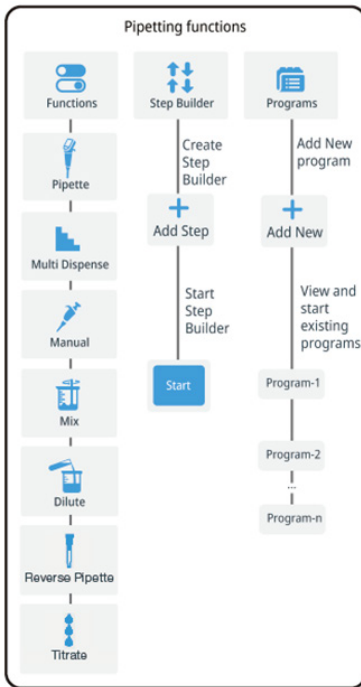
- Integrated charging between uses via a charging stand supports up to 4 pipettes—standard wall-plug charging also available
- Power-safe mode functions support long-term battery reliability
- Continued operation while connected to power helps minimize workflow interruptions during critical tasks

Unified operation across users

FluidEase Pro pipettes support standardized operation in shared laboratory environments, helping teams align workflows and achieve consistent results across users and shifts.

- Up to 5 user profiles for multi-user laboratories
- Structured interface and shared preset protocols enable consistent execution across the lab
- Custom calibration options help align performance to specific liquids or laboratory conditions
- Reduced user-dependent variability supports reproducible outcomes

Programming functions



General specifications

Category	Specification
Battery	Type: Rechargeable Li-ion battery
	Capacity: 950 mAh
	Charging time: Approximately 2 h
Power supply unit (pipette)	Input voltage: 100–240 V ~50/60 Hz, 300 mA maximum
	Output voltage: 5.0 Vdc, 2.0 A maximum
Power supply unit (charging stand)	Input voltage: 100–240V ~50/60 Hz, 700 mA maximum
	Output voltage: 9.0 Vdc, 2.5 A maximum
Display	Type: Color IPS LCD with projected capacitive touchscreen
	Size: 2 in.
Weight with battery	Single-channel pipettes: 187–189 g
	8-channel pipettes: ~255–285 g
	12-channel pipettes: ~287–327 g
	16-channel pipettes: ~255–264 g
Materials: External surfaces of the upper parts	PA (polyamide)
	TPE (thermoplastic elastomer)
	PC (polycarbonate)
	Brass
Materials: Exterior and interior of the lower parts	Glass
	PEI (polyetherimide)
	PA (polyamide)
	PVDF (polyvinylidene fluoride)
Wireless connectivity	EPDM (ethylene-propylene-diene rubber)
	Stainless steel
	LCP (liquid crystal plastic)
	Silicone
Wireless connectivity	Type: Bluetooth™ 5.0
	Transmit power: 6 dBm maximum/Class 2
	Frequency range: 2402.0–2480.0 MHz
	Range: Approximately 10 m (depending on obstacles and interference from equipment such as microwave ovens and other wireless devices)
	Contains transmitter module: FCC ID: XPYNINAB1/IC: 8595A-NINAB1

Accuracy and precision specifications

Single-channel pipettes

Cat. No.	Range	Volume	Inaccuracy		Imprecision		Tip for calibration
	μL	μL	μL	%	SD μL	%CV	
4674010	0.5–10	10	± 0.080	± 0.80	0.040	0.40	ClipTip 12.5 μL , extended
		5	± 0.090	± 1.80	0.050	1.00	
		1	± 0.043	± 4.30	0.029	2.90	
4674020	2.5–100	100	± 0.50	± 0.50	0.20	0.20	ClipTip 200 μL
		50	± 0.60	± 1.20	0.10	0.20	
		10	± 0.25	± 2.50	0.060	0.60	
4674030	5–200	200	± 0.80	± 0.40	0.30	0.15	ClipTip 200 μL
		100	± 0.80	± 0.80	0.20	0.20	
		20	± 0.42	± 2.10	0.080	0.40	
4674040	10–300	300	± 1.20	± 0.40	0.45	0.15	ClipTip 300 μL
		150	± 1.20	± 0.80	0.30	0.20	
		30	± 0.48	± 1.60	0.12	0.40	
4674050	20–1,000	1,000	± 4.00	± 0.40	2.00	0.20	ClipTip 1,000 μL
		500	± 3.50	± 0.70	1.00	0.20	
		100	± 1.00	± 1.00	0.30	0.30	



8-channel pipettes

Cat. No.	Range	Volume	Inaccuracy		Imprecision		Tip for calibration
	μL	μL	μL	%	SD μL	%CV	
4676010	0.5–10	10	± 0.15	± 1.50	0.115	1.15	ClipTip 12.5 μL , extended
		5	± 0.125	± 2.50	0.06	1.20	
		1	± 0.105	± 10.50	0.046	4.60	
4676030	2.5–100	100	± 1.00	± 1.00	0.40	0.40	ClipTip 200 μL
		50	± 1.00	± 2.00	0.25	0.50	
		10	± 0.55	± 5.50	0.18	1.80	
4676050	5–200	200	± 2.80	± 1.40	0.80	0.40	ClipTip 200 μL
		100	± 1.80	± 1.80	0.50	0.50	
		20	± 0.84	± 4.20	0.17	0.85	
4676070	10–300	300	± 3.90	± 1.30	0.75	0.25	ClipTip 300 μL
		150	± 2.40	± 1.60	0.75	0.50	
		30	± 1.14	± 3.80	0.375	1.25	
4676090	25–1,250	1,250	± 15.00	± 1.20	3.75	0.30	ClipTip 1,250 μL
		625	± 10.313	± 1.65	1.875	0.30	
		125	± 4.375	± 3.50	1.25	1.00	



12-channel pipettes

Cat. No.	Range	Volume	Inaccuracy		Imprecision		Tip for calibration
	μL	μL	μL	%	SD μL	%CV	
4676020	0.5–10	10	± 0.15	± 1.50	0.115	1.15	ClipTip 12.5 μL , extended
		5	± 0.125	± 2.50	0.06	1.20	
		1	± 0.105	± 10.50	0.046	4.60	
4676040	2.5–100	100	± 1.00	± 1.00	0.40	0.40	ClipTip 200 μL
		50	± 1.00	± 2.00	0.25	0.50	
		10	± 0.55	± 5.50	0.18	1.80	
4676060	5–200	200	± 2.80	± 1.40	0.80	0.40	ClipTip 200 μL
		100	± 1.80	± 1.80	0.50	0.50	
		20	± 0.84	± 4.20	0.17	0.85	
4676080	10–300	300	± 3.90	± 1.30	0.75	0.25	ClipTip 300 μL
		150	± 2.40	± 1.60	0.75	0.50	
		30	± 1.14	± 3.80	0.375	1.25	
4676100	25–1,250	1,250	± 15.00	± 1.20	3.75	0.30	ClipTip 1,250 μL
		625	± 10.313	± 1.65	1.875	0.30	
		125	± 4.375	± 3.50	1.25	1.00	


16-channel pipettes

Cat. No.	Range	Volume	Inaccuracy		Imprecision		Tip for calibration
	μL	μL	μL	%	SD μL	%CV	
4676110	0.5–10	10	± 0.15	± 1.50	0.115	1.15	ClipTip 384 12.5 μL , extended
		5	± 0.125	± 2.50	0.06	1.20	
		1	± 0.105	± 10.50	0.046	4.60	
4676120	1–30	30	± 0.375	± 1.25	0.15	0.50	ClipTip 384 30 μL
		15	± 0.24	± 1.60	0.09	0.60	
		3	± 0.15	± 5.00	0.045	1.50	
4676130	3–125	125	± 1.50	± 1.20	0.375	0.30	ClipTip 384 125 μL
		62.5	± 1.25	± 2.00	0.313	0.50	
		12.5	± 0.60	± 4.80	0.163	1.30	



Learn more at [thermofisher.com/fluidease](https://www.thermofisher.com/fluidease)

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