

Thermo Scientific E1-ClipTip Electronic pipettes

The Thermo Scientific™ E1-ClipTip™ pipette combines interlocking technology that ensures secure tip attachment with the efficiency of electronic pipetting action. Increase productivity with an intuitive personalized user interface that allows for simple or complex use depending on the application.

Feel the assurance.

Achieve newfound confidence knowing that once attached, your tips are locked firmly in place and will not fall off. Users have full tip control throughout pipetting cycles, as pipette tips will only release when ejected.

A secure seal for every sample.

The unique interlock* design ensures the pipette and tip form a complete seal to secure the sample volume in each tip for enhanced accuracy and precision.

Go beyond limitations.

Revolutionize the way you pipette by leveraging the My Pipette™ Creator application in the Thermo Fisher Cloud. Create and share programs, download pre-written protocols, and transfer programs to and from your pipette via a Bluetooth** or USB connection.

Ideal solution for complex protocols.

Designed for optimum comfort and ease of use, the electronic tip ejection and index finger pipetting action let your thumb relax during pipetting and reduce the risk of Repetitive Strain Injury (RSI).

Adjustable tip spacing.

Perform sample transfers between virtually any tube, rack, microplate or horizontal gel box. Instantly save time and increase productivity simply by sliding the scale to expand and contract tips to your desired labware setting.

Two operating options ensure optimal function for every application.

Choose a step based Matrix or Presets with settings for your most common applications.

Unified Operation.

Customized user interface, five different user profiles, and password protection ensure consistent operation among multiple users.

Extended 2-year warranty.

With convenient online registration.***



Creating programs in the My Pipette Creator app is simple and efficient.





*E1-ClipTip 12.5 and all 384 E1-ClipTip pipettes utilize Snap and Seal tip fitting technology.

**Bluetooth models available in following countries: Andorra, Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Ireland, Italy, Japan, Korea (Rep. of), Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Monaco, Netherlands, New Zealand, Norway, Poland, Portugal, Romania, San Marino, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, United States and Vatican. For other countries catalog numbers without 'BT' extension should be used.

***E1-ClipTip electronic pipettes are warranted to be free from defects in material and workmanship for a period of two years from date of purchase. Two-year warranty applies for pipettes that have been registered, one-year warranty for non-registered. To register, visit www.thermoscientific.com/pipettewarranty

Thermo Scientific ClipTip Electronic Pipettes

E1-ClipTip Single Channel Pipette

Cat. No.**	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)		Inaccuracy		Imprecision		Compatible ClipTip
								(µl)	%	s.d.*** (µl)	cv%	
15673026	E1-ClipTip 0.5-12.5 µl BT		1-ch	0.5-12.5 µl	0.01	12.5	0.125	1.00	0.050	0.40	ClipTip 12.5 ClipTip 12.5 Ext†	
						6.25	0.063	1.00	0.050	0.80		
						1.25	0.050	4.00	0.050	4.00		
15683026	E1-ClipTip 2-125 µl BT		1-ch	2-125 µl	0.1	125.0	0.75	0.60	0.25	0.20	ClipTip 200	
						62.5	0.375	0.60	0.125	0.20		
						12.5	0.30	2.40	0.10	0.80		
15693026	E1-ClipTip 10-300 µl BT		1-ch	10-300 µl	0.1	300.0	1.8	0.60	0.45	0.15	ClipTip 300 ClipTip 300 Ext†	
						150.0	0.9	0.60	0.225	0.15		
						30.0	0.5	1.67	0.15	0.50		
15603036	E1-ClipTip 15-1250 µl BT		1-ch	15-1250 µl	1	1250.0	6.0	0.48	1.625	0.13	ClipTip 1250	
						625.0	3.125	0.50	0.813	0.13		
						125.0	3.0	2.40	0.6	0.48		

E1-ClipTip Multichannel Pipette Specifications*











Cat. No.**	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)		Inaccuracy		Imprecision		Compatible ClipTip
								(µl)	%	s.d.*** (µl)	cv%	
15613036	E1-ClipTip 8-ch 0.5-12.5 µl BT		8-ch	0.5-12.5 µl	0.01	12.5	0.313	2.50	0.200	1.60	ClipTip 12.5 ClipTip 12.5 Ext†	
						6.25	0.156	2.50	0.150	2.40		
						1.25	0.150	12.00	0.150	12.00		
15653036	E1-ClipTip 8-ch 2-125 µl BT		8-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 200	
						62.50	1.25	2.00	0.80	1.28		
						12.50	1.00	8.00	0.50	4.00		
15683036	E1-ClipTip 8-ch 10-300 µl BT		8-ch	10-300 µl	0.1	300.00	6.0	2.00	1.8	0.60	ClipTip 300 ClipTip 300 Ext†	
						150.00	3.0	2.00	1.2	0.80		
						30.00	1.5	5.00	0.6	2.00		
15613046	E1-ClipTip 8-ch 15-1250 µl BT I		8-ch	15-1250 µl	1	1250.00	18.0	1.44	7.50	0.60	ClipTip 1250	
						625.00	9.375	1.50	3.75	0.60		
						125.00	5.0	4.00	1.88	1.50		
15623046	E1-ClipTip 12-ch 0.5-12.5 µl BT		12-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.200	1.60	ClipTip 12.5 ClipTip 12.5 Ext†	
						6.25	0.156	2.50	0.150	2.40		
						1.25	0.150	12.00	0.150	12.00		
15663036	E1-ClipTip 12-ch 2-125 µl BT		12-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 200	
						62.50	1.25	2.00	0.80	1.28		
						12.50	1.00	8.00	0.50	4.00		
15693036	E1-ClipTip 12-ch 10-300 µl BT		12-ch	10-300 µl	0.1	300.00	6.0	2.00	1.80	0.60	ClipTip 300 ClipTip 300 Ext†	
						150.00	3.0	2.00	1.20	1.28		
						30.00	1.5	5.00	0.60	4.00		
15603046	E1-ClipTip 12-ch 30-850 µl BT		12-ch	30-850 µl	1	850.00	12.75	1.50	5.10	0.60	ClipTip 1000	
						425.00	6.375	1.50	2.55	0.60		
						85.00	4.0	4.71	1.70	2.00		
15633036	E1-ClipTip 16-ch 0.5-12.5 µl BT		16-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.20	1.60	ClipTip 384 12.5 ClipTip 384 12.5 Ext†	
						6.25	0.156	2.50	0.150	2.40		
						1.25	0.150	12.00	0.150	12.00		
15643036	E1-ClipTip 16-ch 1-30 µl BT		16-ch	1-30 µl	0.01	30.00	0.60	2.00	0.27	0.90	ClipTip 384 30	
						15.00	0.30	2.00	0.30	2.00		
						3.00	0.30	10.00	0.21	7.00		
15673036	E1-ClipTip 16-ch 2-125 µl BT		16-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 384 125	
						62.50	1.25	2.00	0.80	1.28		
						12.50	1.00	8.00	0.50	4.00		

*Factory calibration limits achieved under strictly controlled conditions with forward pipetting technique (ISO 8655).

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***s.d. = Standard deviation; cv = Coefficient of variation

E1-ClipTip Adjustable Tip Spacing Equalizer Multichannel Pipette Specifications*

Cat. No.**	Description	Color Key	Channels/Tip Spacing Model	Volume Range	Increment (µl)	Tip Spacing Range Min - Max (mm)	Transfer Liquids Between		Volume (µl)	Inaccuracy (µl)		Imprecision (s.d.*** (µl) cv%)		Compatible ClipTip
							To/From	From/To		(µl)	%			
15603056	E1-ClipTip Equalizer 6-ch 15-1250 µl BT		6-ch/96	15-1250 µl	1	9.0-19.8	96-well microplates	Test tube racks	1250.0	18.00	1.44	7.50	0.60	ClipTip 1250
							625.0	9.375	1.50	3.75	0.60			
							Deepwell blocks	24-well microplates	125.0	5.00	4.00	1.88	1.50	
15663046	E1-ClipTip Equalizer 8-ch 2-125 µl BT		8-ch/96	2-125 µl	0.1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	125.0	2.50	2.00	0.75	0.60	ClipTip 200
							62.5	1.25	2.00	0.80	1.28			
							Deepwell blocks	48-well microplates	12.5	1.00	8.00	0.50	4.00	
15693046	E1-ClipTip Equalizer 8-ch 10-300 µl BT		8-ch/96	10-300 µl	0.1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	300.0	6.00	2.00	1.80	0.60	ClipTip 300 ClipTip 300 Ext†
							150.0	3.00	2.00	1.20	0.80			
							Deepwell blocks	48-well microplates	30.0	1.50	5.00	0.60	2.00	
15613056	E1-ClipTip Equalizer 8-ch 15-1250 µl BT		8-ch/96	15-1250 µl	1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	1250.0	18.00	1.44	7.50	0.60	ClipTip 1250
							625.0	9.375	1.50	3.75	0.60			
							Deepwell blocks	48-well microplates	125.0	5.00	4.00	1.88	1.50	
15623046	E1-ClipTip Equalizer 384 8-ch 0.5-12.5µl BT		8-ch/384	0.5-12.5 µl	0.01	4.5-14.2	384 microplates	96-and 48-well microplates	12.5	0.313	2.50	0.200	1.60	ClipTip 384 12.5 ClipTip 384 12.5 Ext†
							6.25	0.156	2.50	0.150	2.40			
							384 PCR Plates	Deepwell blocks	1.25	0.150	12.00	0.150	12.00	
15643046	E1-ClipTip Equalizer 384 8-ch 1-30 µl BT		8-ch/384	1-30 µl	0.01	4.5-14.2	384 microplates	96-and 48-well microplates	30.0	0.60	2.00	0.27	0.90	ClipTip 384 30
							15.0	0.30	2.00	0.30	2.00			
							384 PCR Plates	Deepwell blocks	3.00	0.30	10.00	0.21	7.00	
15673046	E1-ClipTip Equalizer 384 8-ch 2-125 µl BT		8-ch/384	2-125 µl	0.1	4.5-14.2	384 microplates	96-and 48-well microplates	125.0	2.50	2.00	0.75	0.60	ClipTip 384 125
							62.5	1.25	2.00	0.80	1.28			
							384 PCR Plates	Deepwell blocks	12.5	1.00	8.00	0.50	4.00	
15633046	E1-ClipTip Equalizer 384 12-ch 0.5-12.5 µl BT		12-ch/384	0.5-12.5 µl	0.01	4.5-9.0	384 microplates	96-well microplates	12.5	0.313	2.50	0.200	1.60	ClipTip 384 12.5 ClipTip 384 12.5 Ext†
							6.25	0.156	2.50	0.150	2.40			
							384 PCR Plates	Deepwell blocks	1.25	0.150	12.00	0.150	12.00	
15653046	E1-ClipTip Equalizer 384 12-ch 1-30 µl BT		12-ch/384	1-30 µl	0.01	4.5-9.0	384 microplates	96-and microplates	30.0	0.60	2.00	0.27	0.90	ClipTip 384 30
							15.0	0.30	2.00	0.30	2.00			
							384 PCR Plates	Deepwell blocks	3.0	0.30	10.00	0.21	7.00	
15683046	E1-ClipTip Equalizer 384 12-ch 2-125 µl BT		12-ch/384	2-125 µl	0.1	4.5-9.0	384 microplates	96-well microplates	125.0	2.50	2.00	0.75	0.60	ClipTip 384 125
							62.5	1.25	2.00	0.80	1.28			
							384 PCR Plates	Deepwell blocks	12.5	1.00	8.00	0.50	4.00	
							Agarose Gels	Deepwell blocks						

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†Performance specifications with extended length tips differ from the specifications of the standard tips. Specifications available separately.

Technical Specifications

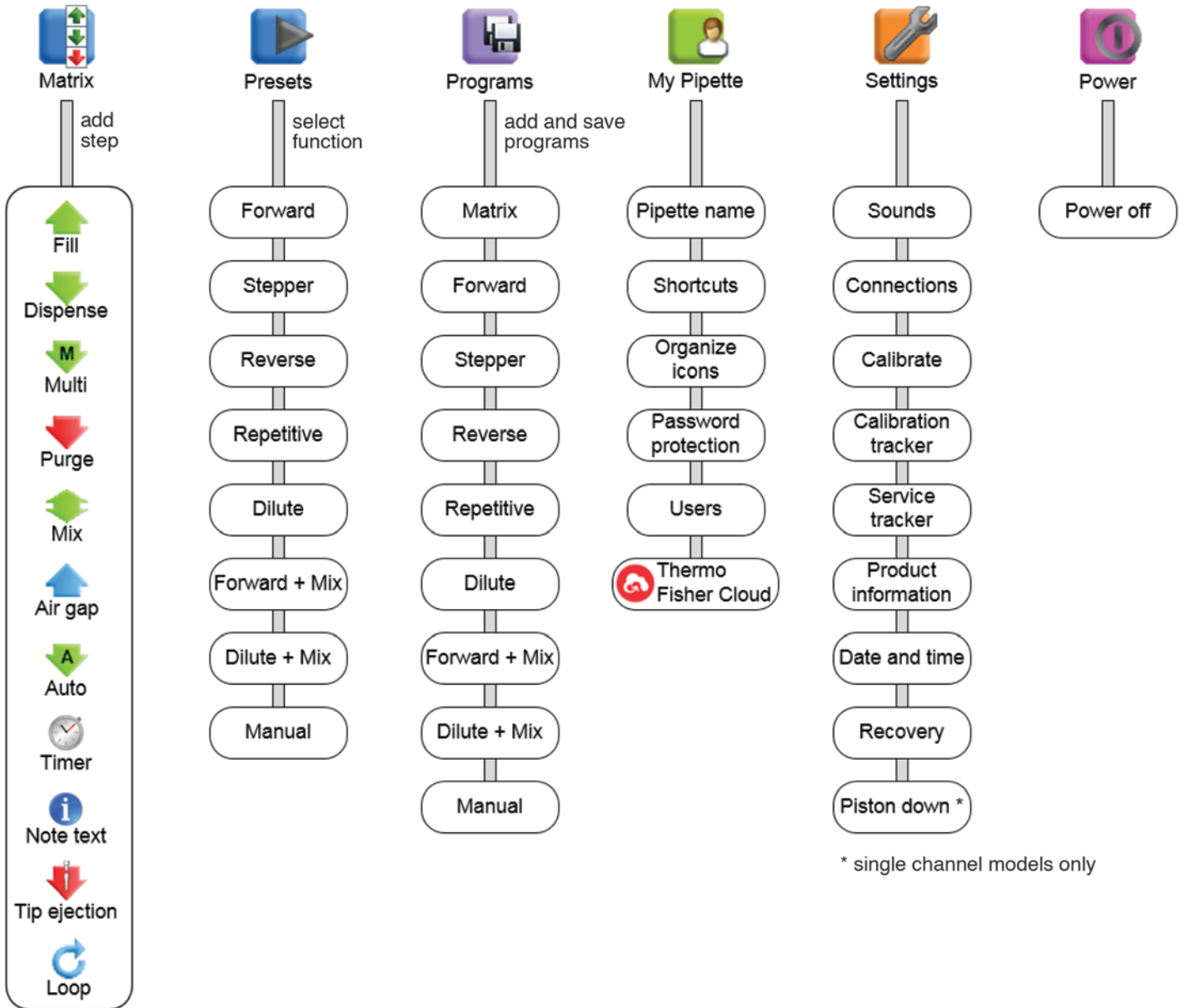
Thermo Scientific E1-ClipTip Electronic Pipettes	
Battery	Type: Li-ion battery Capacity: 1280 mAh Charging time: Approx. 2 h
Power supply unit	Input voltage: 100-240V -50/60Hz, 400 mA Output voltage: 5.0V 800mA max
Display	Type: Color TFT-LCD Size: 2.2"
Weight with battery	Single channel pipettes ~198 g Multichannel pipettes 96-format ~ 333 g Multichannel pipettes 384-format ~ 324 g
Materials: Tip fitting	E1-ClipTip 125-1250 96-models: Polyetherimide (PEI); Autoclavable O-ring material FVM (fluorosilicone rubber); Autoclavable E1-ClipTip 12.5 and all 384 models: PVDF (polyvinylidenfluoride)
External surfaces of the upper parts	PA (polyamide) PMMA (polymethyl methacrylate) ABS (acrylonitrile butadiene styrene)
Wireless connectivity of E1-ClipTip BT	Type: Bluetooth® 2.1 + EDR Transmit power: 4 dBm max. / Class 2 Range: Approximately 10 m Contains transmitter module: FCC ID: T7VEBMU / IC: 216QEBMU



← Equalizer Reference Chart →



FROM/TO		6-ch	8-ch	8-ch	8-ch	8-ch 384	8-ch 384	8-ch 384	12-ch 384	12-ch 384	12-ch 384		TO/FROM
Max. tip spacing position	mm	15-1250 µl	15-1250 µl	10-300 µl	2-125 µl	2-125 µl	1-30 µl	0.5-12.5 µl	2-125 µl	1-30 µl	0.5-12.5 µl	mm	Min. tip spacing position
Test tube racks 24-well microplates	19.8	4672090										9	96-well microplates Deepwell blocks
Microcentrifuge tube racks 48-well microplates	14.2		4672100	4672080	4672050							4.5	384 microplates 384 PCR plates Agarose gels
96-well microplates Deepwell blocks						4672060	4672030	4672010					
96-well microplates Deepwell blocks	9								4672070	4672040	4672020		



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