Thermo Scientific E1-ClipTip Electronic Pipettes

The Thermo Scientific™ E1-ClipTip™ pipette combines interlocking technology which 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.

Adjustable tip spacing saves time in sample transfers between different labware formats.

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.

Unstoppable productivity, outstanding ease-of-use.
Eliminate the frustration of banging tips on your pipette with the exclusive interlock design that ensures each tip is 'clipped' securely on the E1-ClipTip until, and only until, it is released by electronic tip ejection.

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.

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.
Personalized user interface and password protection ensure consistent operation among multiple users

Extended 2-year warranty.
With convenient online registration.**

* E1-ClipTip 12.5 and all 384 E1-ClipTip pipettes utilize snap and lip tip fitting technology.

** E1-ClipTip electronic pipettes are warranteed 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

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Thermo Scientific ClipTip Electronic Pipettes

E1-ClipTip Single Channel Pipette Specifications**

Item No	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)	Inaccuracy (µl)	Inaccuracy %	Imprecision s.d.* (µl)	Imprecision cV%	Compatible ClipTip
4670000	E1-ClipTip 0.5-12.5 µl		1-ch	0.5-12.5 µl	0.01	12.5	0.125	1.00	0.050	0.40	ClipTip 12.5
						6.25	0.063	1.00	0.050	0.80	
						1.25	0.050	4.00	0.050	4.00	
4670020	E1-ClipTip 2-125 µl		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	
4670030	E1-ClipTip 10-300 µl		1-ch	10-300 µl	0.1	300.0	1.8	0.60	0.45	0.15	ClipTip 300
						150.0	0.9	0.60	0.225	0.15	
						30.0	0.5	1.67	0.15	0.50	
4670040	E1-ClipTip 15-1250 µl		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**

Item No	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)	Inaccuracy (µl)	Inaccuracy %	Imprecision s.d.* (µl)	Imprecision cV%	Compatible ClipTip
4671000	E1-ClipTip 8-ch 0.5-12.5 µl		8-ch	0.5-12.5 µl	0.01	12.5	0.313	2.50	0.200	1.60	ClipTip 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
4671040	E1-ClipTip 8-ch 2-125 µl		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	
4671070	E1-ClipTip 8-ch 10-300 µl		8-ch	10-300 µl	0.1	300.00	6.0	2.00	1.8	0.60	ClipTip 300
						150.00	3.0	2.00	1.2	0.80	
						30.00	1.5	5.00	0.6	2.00	
4671100	E1-ClipTip 8-ch 15-1250 µl		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	
4671010	E1-ClipTip 12-ch 0.5-12.5 µl		12-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.200	1.60	ClipTip 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
4671050	E1-ClipTip 12-ch 2-125 µl		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	
4671080	E1-ClipTip 12-ch 10-300 µl		12-ch	10-300 µl	0.1	300.00	6.0	2.00	1.80	0.60	ClipTip 300
						150.00	3.0	2.00	1.20	0.80	
						30.00	1.5	5.00	0.60	2.00	
4671090	E1-ClipTip 12-ch 30-850 µl		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	
4671020	E1-ClipTip 16-ch 0.5-12.5 µl		16-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.20	1.60	ClipTip 384 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
4671030	E1-ClipTip 16-ch 1-30 µl		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	
4671060	E1-ClipTip 16-ch 2-125 µl		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	

E1-ClipTip Adjustable Tip Spacing Equalizer Multichannel Pipette Specifications**

Catalog Number	Description	Color Key	Channels/ Tip Spacing Model	Volume Range	Increment (µl)	Tip Spacing Range Min - Max (mm)	Transfer Liquids Between To/From	From/To	Volume (µl)	Inaccuracy (µl)	%	Imprecision s.d.* (µl)	cV%	Compatible ClipTip
4672090	E1-ClipTip Equalizer 6-ch 15-1250 µl		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
							Deepwell blocks	24-well microplates	625.0 125.0	9.375 5.00	1.50 4.00	3.75 1.88	0.60 1.50	
4672050	E1-ClipTip Equalizer 8-ch 2-125 µl		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
							Deepwell blocks	48-well microplates	62.5 12.5	1.25 1.00	2.00 8.00	0.80 0.50	1.28 4.00	
4672080	E1-ClipTip Equalizer 8-ch 10-300 µl		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
							Deepwell blocks	48-well microplates	150.0 30.0	3.00 1.50	2.00 5.00	1.20 0.60	0.80 2.00	
4672100	E1-ClipTip Equalizer 8-ch 15-1250 µl		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
							Deepwell blocks	48-well microplates	625.0 125.0	9.375 5.00	1.50 4.00	3.75 1.88	0.60 1.50	
4672010	E1-ClipTip Equalizer384 8-ch 0.5-12.5 µl		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
							384 PCR Plates	Deepwell blocks	6.25	0.156	2.50	0.150	2.40	
							Agarose Gels	Micro-centrifuge tube racks	1.25	0.150	12.00	0.150	12.00	
4672030	E1-ClipTip Equalizer 384 8-ch 1-30 µl		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
							384 PCR Plates	Deepwell blocks	15.0	0.30	2.00	0.30	2.00	
							Agarose Gels	Micro-centrifuge tube racks	3.0	0.30	10.00	0.21	7.00	
4672060	E1-ClipTip Equalizer 384 8-ch 2-125 µl		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
							384 PCR Plates	Deepwell blocks	62.5	1.25	2.00	0.80	1.28	
							Agarose Gels	Micro-centrifuge tube racks	12.5	1.00	8.00	0.50	4.00	
4672020	E1-ClipTip Equalizer 384 12-ch 0.5-12.5 µl		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
							384 PCR Plates	Deepwell blocks	6.25	0.156	2.50	0.150	2.40	
							Agarose Gels	Deepwell blocks	1.25	0.150	12.00	0.150	12.00	
4672040	E1-ClipTip Equalizer 384 12-ch 1-30 µl		12-ch/384	1-30 µl	0.01	4.5-9.0	384 Microplates	96-well microplates	30.0	0.60	2.00	0.27	0.90	ClipTip 384 30
							384 PCR Plates	Deepwell blocks	15.0	0.30	2.00	0.30	2.00	
							Agarose Gels	Deepwell blocks	3.0	0.30	10.00	0.21	7.00	
4672070	E1-ClipTip Equalizer 384 12-ch 2-125 µl		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
							384 PCR Plates	Deepwell blocks	62.5	1.25	2.00	0.80	1.28	
							Agarose Gels	Deepwell blocks	12.5	1.00	8.00	0.50	4.00	

s.d. = Standard deviation; cV = Coefficient of variation

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

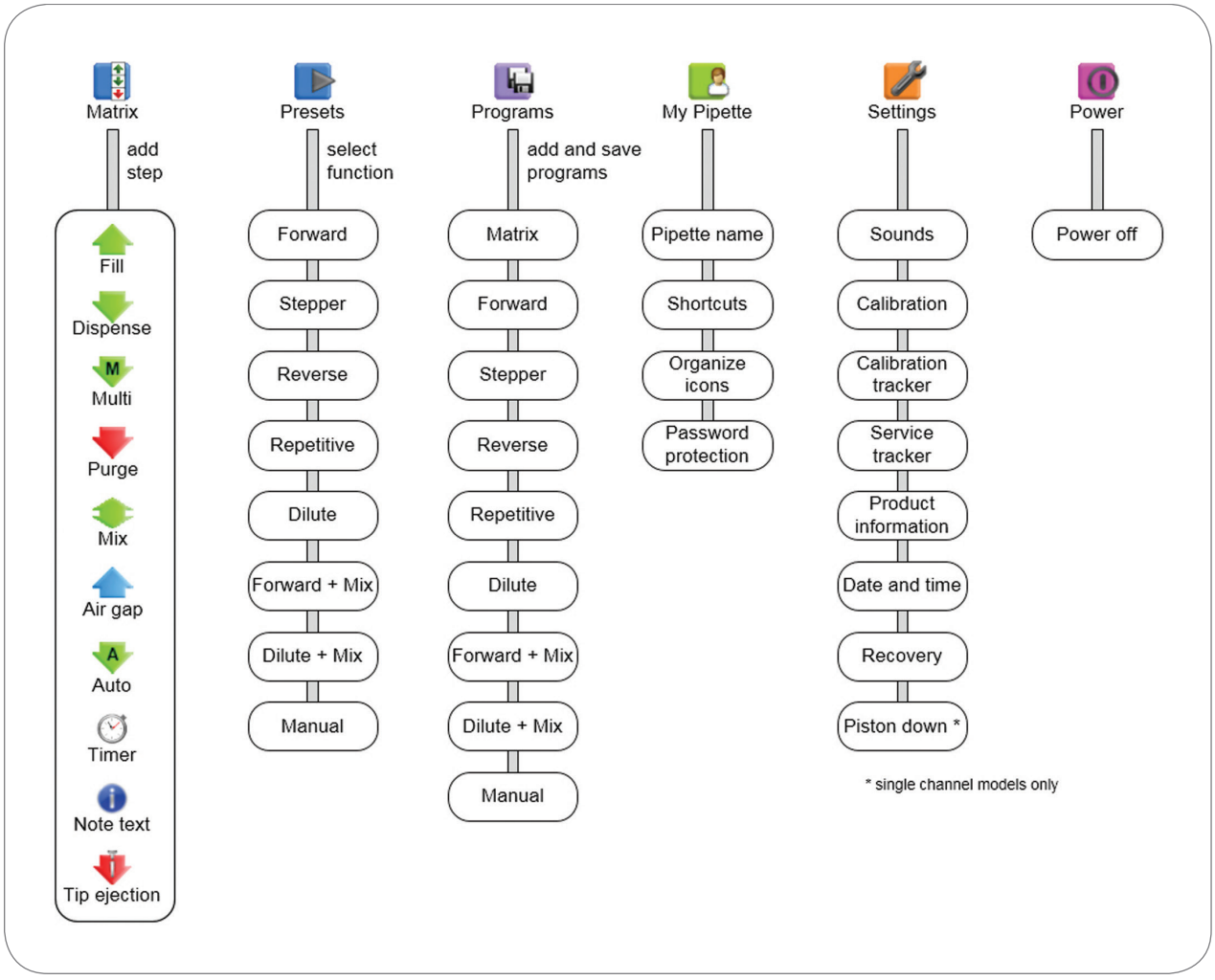
Specifications

Battery	Type: Li-ion battery Capacity: 1280 mAh Charging time: Approx. 2 h
Power supply unit	Input voltage: 100-240 V ~50/60 Hz, 400 mA Output voltage: 5.0 V 800 mA max.
Display	Type: Color TFT-LCD Size: 2.2”
Weight with battery	Single channel pipettes 193 g max Multichannel pipettes 96-format 348 g max. Multichannel pipettes 384-format 324 g max.
Materials: Tip fitting	E1-ClipTip 125-1250 96-models: Stainless Steel; O-ring material FVM (fluorosilicone rubber); Autoclavable E1-ClipTip 12.5 and all 384 models: PVDF (polyvinyldenfluoride)
External surfaces of the upper parts	PA (polyamide) PMMA (polymethyl methacrylate) ABS (acrylonitrile butadiene styrene)

Equalizer Reference Chart

FROM/TO		6-ch	8-ch	8-ch	8-ch	8-ch	8-ch	8-ch	12-ch	12-ch	12-ch		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	19.8	4672090											
24-well microplates													96-well microplates
					4672100							9	Deepwell blocks
96-well microplates				4672080									
48-well microplates	14.2		4672100										
Deepwell blocks								4672010					
Microcentrifuge tube racks							4672030						384 Microplates
						4672060						4.5	384 PCR Plates
											4672020		Agarose Gels
Microcentrifuge tube racks	9									4672040			
48-well microplates									4672070				

E1-ClipTip Menu Map



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