

Nikon Eclipse E400

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E600	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H556

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		Call				

Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse E600

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E600	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H556

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		HF226	HF201	HF204		

Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse E800

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E800	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H556

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		See Notes	HF201	HF204		

Notes;

If using Nikon C-LP Pre-centred lamphouse use adapter HF226. If using C-LC Centring lamphouse use adapter HF220.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows. Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse E800M

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
N/A		ProScan Only

Notes;

Custom specimen holders available on request.
Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122
Focus sleeve; H556

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		See Notes	HF201	HF204		

Notes;

If using Nikon C-LP Pre-centred lamphouse use adapter HF226. If using C-LC Centring lamphouse use adapter HF220.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows. Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse E1000

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E800	126mm x 76mm	H220, H223R, H224PRV, H230, H234PRV, H236PRV, H237PRV, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.
Above stages are fitted with adjustable limit switches.

Motorised Focus Control (Z);

Microscope has its own internal motorised focus drive.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220	HF201	HF204	HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		See Notes	HF201	HF204		

Notes;

If using Nikon C-LP Pre-centred lamphouse use adapter HF226. If using C-LC Centring lamphouse use adapter HF220.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse E1000M

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
N/A		ProScan Only

Notes;

Custom specimen holders are available on request.
Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Microscope has its own internal motorised focus drive.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		See Notes	HF201	HF204		

Notes;

If using Nikon C-LP Pre-centred lamphouse use adapter HF226. If using C-LC Centring lamphouse use adapter HF220.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse 50i

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E50	126mm x 76mm	H220, H223R, H224, H230, H234, H236, H237, H649, H656, H657, H658, H659.

Notes;

This instrument is always supplied by Nikon with a non-centring stage bracket, ensure H2522 bottom plate insert is fitted.

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H2531

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield	N/A	N/A	N/A	N/A	N/A	N/A

Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse 80i

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E50 ES11E80*	126mm x 76mm	H220, H223R, H224, H230, H234, H236, H237, H649, H656, H657, H658, H659.

* Centring Stage Bracket Only

Notes;

This instrument is supplied by Nikon with either a centring or non-centring stage bracket, ensure H2523 (centring) or H2522 (non-centring) bottom plate insert is fitted.

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

Focus motor;	H122
Focus sleeve;	H2531

Notes;

For applications where encoded focus is required add H393 and H394 encoder probe kit.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223* HF251*	HF200	HF202		
Brightfield	Call	Call	Call	Call	Call	Call

Notes;

*HF223 mounts below the camera, HF251 mounts below the trinocular head

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse 90i

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES11E80	126mm x 76mm	H220, H223R, H224, H230, H234, H236, H237, H649, H656, H657, H658, H659.

Notes;

This instrument is always supplied by Nikon with a centring stage bracket, ensure H2523 bottom plate insert is fitted.

Custom specimen holders available on request.

Above stages are fitted with semi-adjustable limit switches.

Motorised Focus Control (Z);

This instrument is factory fitted with a motorised focus drive in all configurations.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield	Call	Call	Call	Call	Call	Call

Notes;

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon TS100

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107NTS	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.
Above stages are fitted with fixed limit switches.

Motorised Focus Control (Z);

Focus motor; H122
Focus sleeve; H550

Notes;

For applications where encoded focus is required add replace H122 with H122E and use controller with encoder electronics.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	Call	Call	Call	Call	Call	Call
Emission	Call	Call	Call	Call	Call	Call
Brightfield	Call	Call	Call	Call	Call	Call

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse TE300

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107NTE	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122

Focus sleeve; H556

Notes;

For applications where encoded focus is required add replace H122 with H122E and use controller with encoder electronics.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF223	HF200	HF202		
Brightfield		HF224		HF204		

Notes;

When using the HF223 emission adapter, the Nikon Ix relay lens is also required, but this is not available from Prior.

The HF224 adapter is mounted onto the 57mm diameter illuminator lens housing.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows. Use high temperature shutters when using Xenon/Mercury lamphouses.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Nikon Eclipse TE2000

Motorised Stages (XY);

Stage Part Number	Travel Range	Suitable Sample Holders (see Appendix A for detailed descriptions)
ES107NTE	115mm x 77mm	H220, H223R, H224R, H230, H234R, H236R, H237R, H473, H649, H656, H657, H658, H659.

Notes;

Custom specimen holders available on request.

The stage may be fitted with linear encoders if required (see price list).

Above stages are fitted with adjustable limit switches.

Motorised Focus Control (Z);

Focus motor; H122
Focus sleeve; H2193

Notes;

For applications where encoded focus is required add replace H122 with H122E and use controller with encoder electronics.

Filter Wheels & Shutters;

	Filter Wheel	Adapters	Standard Shutters		High Temp Shutters	
			With Filter Wheel	Stand Alone	With Filter Wheel	Stand Alone
Excitation	HF108A	HF220			HF201HT	HF204HT
Emission	HF110A	HF227	HF200	HF202		
Brightfield		HF224		HF204		

Notes;

The HF224 adapter is mounted onto the 57mm diameter illuminator lens housing.

The HF224 adapter is not suitable for use on the TE2000S 30W illuminator.

A filter wheel stand (HF310) may be used for added stability depending on microscope configuration where space allows.

Use high temperature shutters when using Xenon/Mercury lamphouses.

TE2000S has a 30W lamphouse and it is therefore not possible to fit a brightfield shutter.

Motor Controllers;

ES10 or ES10E including electronics for Z encoder input.

Appendix A

Specimen Holders for ES111 and ES107 Stages	
H220	Glass plate (not suitable for transmitted light microscopy)
H223R	Recessed microtitre plate holder (85 x 128mm)
H223RT	Recessed Terasaki Plate Holder (55x80mm)
H224	Slide holder for one 76 x 26mm microscope slide
H224PRV	Slide holder, recessed, for one 76 x 26mm microscope slide
H224R	Slide holder, recessed, for one 76 x 26mm microscope slide
H224ROT	Manual rotating holder for one 76 x 26mm microscope slide
H229	Universal Petri dish holder (dishes up to 85mm diameter)
H229D35D	Dual petri dish holder for two 35mm diameter dishes
H229D35T	Triple petri dish holder for three 35mm diameter dishes
H230	Aluminium plate
H234	Slide holder for four 76 x 26mm microscope slides
H234R	Slide holder, recessed, for four 76 x 26mm microscope slides
H234PRV	Slide holder, Semi-recessed, for four 76 x 26mm microscope slides
H236	Chambered Coverslip Slide Holder. Holds Four Lab-Tek Slides with 1, 2, 4 or 8 Chambers
H236R	Chambered Coverslip Slide Holder, Recessed. Holds Four Lab-Tek Slides
H236PRV	Chambered Coverslip Slide Holder, Semi-Recessed. Holds Four Lab-Tek Slides
H237	Slide holder for one 76 x 51mm microscope slide
H237R	Slide holder, recessed, for one 76 x 51mm microscope slide
H237PRV	Slide holder, semi-recessed, for one 76 x 51mm microscope slide
H23X	Flask Holder (Please Specify Size of Flask)
H240	Motorised rotating holder, 71mm diameter (additional axis required)
H473	Universal Specimen Holder (slides, dishes and small flasks)
H649	Holder for a single 1", 1.25" and 1.5" Mounted Metallurgical Specimen
H656	Holder for One Mounted Metallurgical Specimen, 1.25" Diameter
H657	Holder for One Mounted Metallurgical Specimen, 2" Diameter
H658	Holder for Six Mounted Metallurgical Specimens, 1.25" Diameter
H659	Holder for One Mounted Metallurgical Specimen, 1.5" Diameter