

ESD-Safe System 373 TRU Trinocular Microscopes

For training and documentation purposes with optional digital accessories for image capture

System 373 ESD-Safe Trinocular Microscopes are designed for inspection and documentation applications in static-sensitive environments. The body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/\text{sq}$. (static dissipative). Dual boom roller-bearing stands feature a 22" stainless steel horizontal boom extension and 17.5" vertical post mounted to a 10" x 10" diecast base. Roller-Bearing design allows fluid horizontal extension of the boom stand. Extensive flexibility and adjustability allow this microscope to alter angles up to 45°; the head can be rotated 360° in its focus mount. Models offer nearly an 8" working distance (when used with an optional 0.5X reducing lens) and 15% greater field of view than comparable scopes. TRU Trinocular feature allows the user to simultaneously view images on screen and through the eyepieces.



TECHNICAL DESCRIPTION

OPTICS:

23mm field of view, 10X super widefield eyepieces and eyeshields. Nearly 8" of working distance when used with an optional 0.5X reducing lens. TRU viewing head for simultaneous viewing through both eyepieces while using a digital camera.

MAGNIFICATION:

Standard 7X – 45X magnification range. 3.5X – 22.5X magnification and 195mm working distance when used with a 0.5X reducing lens.

LENSES:

High-quality achromatic lenses with anti-reflective coatings.

ERGONOMICS:

Alter angles up to 45°. 360° head rotation in its focus mount.

ZOOM:

0.7X – 4.5X zoom range controlled by dual graduated knobs with click-stop positions located on both sides of the head.

CONSTRUCTION:

Heavy-duty cast aluminum housing. Body and stand are treated with a metal-laced powder coat that measures $10^5 \Omega/\text{sq}$. (static dissipative).

MOUNTING:

Dual boom roller-bearing stand with 17.5" vertical and 22" horizontal reach (10" x 10" base).

5-YEAR WARRANTY. Visit our website for full details.

Additional lighting options sold separately.

DUAL BOOM ROLLER-BEARING STANDS



P/N 23720RB-TRT-ESD



P/N 23725RB-HDTRTHOL-ESD



P/N 23725RB-USBSRTRT-ESD

SYSTEM 373 OPTICAL DATA

Eyepieces		Objective			
		1.0X (included)	0.5X	0.7X	2.0X
10X	Total Magnification (Range)	7X – 45X	3.5X – 22.5X	4.9X – 31.5X	14X – 90X
	Field of View Diameter (mm)	32.8 – 5.1	65.7 – 10.2	46.9 – 7.3	16.4 – 2.6
15X	Total Magnification (Range)	10.5X – 67.5X	5.3X – 33.8X	7.4X – 47.2X	21X – 135X
	Field of View Diameter (mm)	24.3 – 3.8	48.6 – 7.6	34.7 – 5.4	12.1 – 1.9
	Working Distance (mm)	118	195	145	35

SYSTEM 373 TRINOCULAR OPTICAL DATA

1/3" CCD Camera with 22" Monitor and 0.5X Video Adapter

Accessory Lens	Magnification with zoom setting @ 0.7	FOV (mm) with zoom @ 0.7	Magnification with zoom setting @ 4.5	FOV (mm) with zoom @ 4.5	Working Distance (mm)
None (1X)	23.1X	24.2	148.4X	3.8	118
0.5X	11.5X	48.4	74.2X	7.5	195
0.7X	16.2X	34.6	103.9X	5.4	145
2X	46.2X	12.1	296.9X	1.9	35

1/2.8" HD Camera with 22" Monitor and 0.5X Video Adapter

None (1X)	21.6X	25.9	138.6X	4	118
0.5X	10.8X	51.8	69.3X	8.1	195
0.7X	15.1X	37	97X	5.8	145
2X	43.1X	13	277.2X	2	35

PRODUCT TABLE

Part number	Microscope	Description
23720RB-TRT-ESD*	System 373RB-TRT-ESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand
23725RB-USBSRTRT-ESD	System 373RB-DMLED-HOUSBST-ESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand, Dimmable LED-High Output Ring Light, USB 2.0 Camera, video adapter
23725RB-HDTRTHOL-ESD*	System 373RB-DMLED-HOHDTR-ESD	ESD-Safe, S-Z 23mm TRU Trinocular, RB Stand, Dimmable LED-High Output Ring Light, Excelis HD Camera, video adapter
23760	–	Eyepieces/15X Pair, 23mm, 273/373/VIP
23762	–	Eyepieces/20X Pair, 23mm, 273/373
23736*	–	0.7X Reducing Lens, 23mm for System 273/373 only
23750*	–	0.5X Reducing Lens, 23mm for System 273/373 only

