

SM7 Series Technical Specifications



● Sku	1100201800061	1100201800021	1100201800071	1100201800031
● Name	SM7-P A1X	SM7TR-P A1X	SM7-P APO1X	SM7TR-P APO1X
Optical system	Galilean infinity optical design. Common Main Objective (CMO)			
● Observation tube	Binocular head	Trinocular head	Binocular head	Trinocular head
Inclination	30° inclined			
Trinocular light split	-	100:0/20:80	-	100:0/20:80
Interpupillary distance	55-75mm			
Diopter adjustment	On both eyepieces, +5/-8 diopter			
Eyepieces	Widefield WF10X/22mm with diopter adjustment			
Objectives system	Zoom, ratio 7:1			
● Objectives classification	Plan Achromat		Plan Apochromat	
Objectives	0.8X~5.6X (10-step)			
● Working distance	90mm		81mm	
Stand type	Fixed-arm stand			
Head holder	For Ø76mm head			
Focus mechanism	Coarse focusing system with tension adjustment			
Focusing stroke	120mm			
● Incident illumination	-			
● Transmitted illumination	-			
● Transformer	-			
● Power supply	-			
Accessories included	Dust cover, Black/White plate Ø160mm			
Dimensions LxWxH	367x290x372mm			
Base	310x290mm			
Column/Arm	254mm			
Net weight	6.9 Kg	7 Kg	7 Kg	7.1 Kg
CONTRAST TECHNIQUES				
Brightfield	Brightfield			



1100201800081	1100201800041	1100201800091	1100201800051	Sku	●
SM7-TLED A1X	SM7TR-TLED A1X	SM7-TLED APO1X	SM7TR-TLED APO1X	Name	●
Galilean infinity optical design. Common Main Objective (CMO)				Optical system	
Binocular head	Trinocular head	Binocular head	Trinocular head	Observation tube	●
30° inclined				Inclination	
-	100:0/20:80	-	100:0/20:80	Trinocular light split	
55-75mm				Interpupillary distance	
On both eyepieces, +5/-8 diopter				Diopter adjustment	
Widefield WF10X/22mm with diopter adjustment				Eyepieces	
Zoom, ratio 7:1				Objectives system	●
Plan Achromat		Plan Apochromat		Objectives classification	
0.8X~5.6X (10-step)				Objectives	
90mm		81mm		Working distance	●
Fixed-arm stand with incident & transmitted illumination				Stand type	
For Ø76mm head				Head holder	
Coarse focusing system with tension adjustment				Focus mechanism	
120mm				Focusing stroke	
LED 3W with intensity control				Incident illumination	●
LED 3W with reflector and intensity control				Transmitted illumination	●
External				Transformer	●
110-240V (CE)				Power supply	●
Dust cover, Glass plate Ø160mm				Accessories included	
367x290x372mm				Dimensions LxWxH	
310x290mm				Base	
254mm				Column/Arm	
7.3 Kg	7.4 Kg	7.4 Kg	7.5 Kg	Net weight	
CONTRAST TECHNIQUES					
Brightfield				Brightfield	