STM6MEASURING MICROSCOPE

Compact and highly functional design, with many possible combinations of bodies and stages.



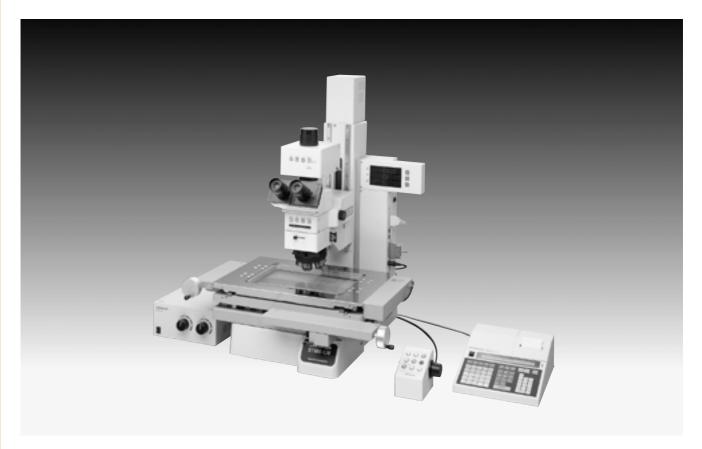
STM6 Specifications

Item			Manual 2-axis	Manual 3-axis	Motorized 3-axis
Microscope	Focus	Vertical movement range	155mm		
body		Maximum accepted sample height	155mm *1, 100mm *2		
		Z-axis measurement range	- 155mm *1, 100mm *2		
		Coarse focusing speed	-	-	4.8mm/sec
		Fine focusing speed (variable)	-	-	800μm/400μm/200μm/50μm (full rotation of knob) 4 steps
	Illumination	Cold light fiber guided illumination	12V100W halogen (for both reflected and transmitted light)		
Observation tube			Erect image monocular tube, erect image trinocular tube, erect image trinocular tube for ES (100:0/0:100/10:90)		
Objectives (UIS)		For metallurgical microscope	MM6-OB series		
		For measuring microscope	UMPlanFL series, LMPlanFL series, UMPlanFL-BD series, LMPlanFL-BD series		
Eyepiece (UIS)			MM6-OCC10x (with cross line, F.N. 22), MM6-OC10x (F.N. 22)		
Stage		Stroke	MM6C-CS50 = X-axis: 50mm, Y-axis: 50mm/MM6C-CS100R = X-axis: 100mm, Y-axis: 50mm MM6C-CS100 = X-axis: 100mm, Y-axis: 100mm/MM6C-CS150 = X-axis: 150mm, Y-axis: 100mm		
		Measuring accuracy	50mm stroke: (3+L/50)µm 100mm stroke: (3+2L/100)µm 150mm stroke: (3+3L/150)µm [L: measuring length (mm)]		
Counter display		Minimum readout	0.5µm	0.1μm/0.5μm (selectable)	0.1µm
Dimensions *3			465(W) x 437(D) x 596(H)mm	465(W) x 437(D) x 592 (H)mm	465(W) x 437(D) x 696(H)mm
Weight *4			Approx. 94kg	Approx. 95kg	Approx. 97kg
Power consumption			100-120/220-240V∼0.7/0.4A 50/60Hz		100 -120/220-240V∼1.6/0.8A 50/60Hz

^{*1;} With objectives for metallurgical microscope
*2; With objectives for measuring microscope
*3; STM6 microscope body + MM6C-CS100 stage combination
*4; STM6 microscope body + MM6C-CS100 stage + integrated unit combination

STM6-LMMEASURING MICROSCOPE

Motorized focusing as standard, for fast, high-precision measurement of large samples. Counter display: minimum readout 0.1µm or 0.5µm selectable.



STM6-LM Specifications

5 TWO-LIN Specifications						
Microscope	Focus	Vertical movement range	205mm			
body		Maximum accepted sample height	205mm *1, 150mm *2			
		Z-axis measurement range	205mm *1, 150mm *2			
		Coarse focusing speed	4.8mm/sec			
		Fine focusing speed (variable)	800μm/400μm/200μm/50μm (full rotation of knob) 4 steps			
	Illumination	Cold light fiber guided illumination	12V100W halogen (for both reflected and transmitted light)			
Observation tube			Erect image monocular tube, erect image trinocular tube, erect image trinocular tube for ES (100:0/0:100/10:90)			
Objectives (UIS)		For metallurgical microscope	MM6-OB series			
		For measuring microscope	UMPlanFL series, LMPlanFL series, UMPlanFL-BD series, LMPlanFL-BD series			
Eyepiece (UIS)			MM6-OCC10x (with cross line, F.N. 22), MM6-OC10x (F.N. 22)			
Stage		Stroke	MM6-CS250=X-axis: 250mm, Y-axis: 150mm			
		Measuring accuracy	X-axis: (3+5L/250) µm, Y-axis: (3+5L/150)µm [L: measuring length (mm)]			
Counter display		Minimum readout	0.1μm/0.5μm (selectable)			
Dimensions *3			480(W) x 579 (D) x 843(H)mm			
Weight *4			Approx. 170kg			
Power consumption			100 -120/220-240V~0.9/0.4A 50/60Hz			

- **1: With objectives for metallurgical microscope

 *2: With objectives for measuring microscope

 *3: STM6-LM microscope body + MM6-CS250 stage combination,

 *4: STM6-LM microscope body + MM6-CS250 stage + integrated unit combination