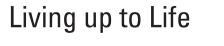


## Leica M844 F20

Premium Optics Surgical Microscope for Ophthalmology





## Leica M844 F20 Technical Data

Electrical data	
Power supply	100-240 VAC (±10%), 50/60 Hz
Power consumption	250 VA
Classification	Class I

Microscope Leica M844	
Magnification changer	APO-Zoom 6:1, motorized, with 4 separate beam paths
Magnification	$3.5 \times -21 \times$ (WD 175 mm, $10 \times$ eyepieces)
Optics	APO-chromatic corrected optics
Field diameter	7 mm – 80 mm
Working distance	175 mm, 200 mm and 225 mm
Focus range	54 mm, motorized, with automatic reset
Eyepieces	Widefield eyepieces for eyeglass wearers (8.33×, 10×, 12.5×)
	Dioptric setting ±5 with adjustable eye cup
Objectives	Leica OptiChrome™, WD 175 mm, APO
	Leica OptiChrome™, WD 200 mm, APO
	Leica OptiChrome™, WD 225 mm, APO (WD = working distance)

Illumination	
Quick-change lamp mount	With two 12 V / 50 W halogen lamps
Filters	IR-barrier filter, UV-barrier filter, two built-in filter holders for optional filters

Stand Leica F20	
Туре	Floor stand with 3 friction brakes
	Alternatives: Floor stand F40 with electromagnetic brakes, Ceiling mount C40 or Telescope mount CT40
Balancing	Continuously adjustable gas spring
Load	Max. 11.5 kg accessories attached to the microsope
Reach	Max. 1480 mm
Vertical range	650 mm
Transport height	Min. 1940 mm
Weight	Approx. 270 kg as a fully configured system
XY-unit	Motorized, movement range 50 x 50 mm, with automatic reset
Tilt mechanism	Motorized, +15° / -50°
Hand / foot switches	16- or 12-function foot switch with controls arranged longitudinally or transversally, with cable or wireless
	12-function hand switch
Control unit	Two-in-one display, control and video display in one. The latest electronic control for the continuous governing of all motor functions and the light intensity. Data shown by means of LCD, with adjustable contrast and brightness. Operation by modern touch-panel control. ISUS™ Intelligent SetUp System, menu selection based on unique software for user specific configuration, with built-in electronic auto-diagnosis and user support.

Accessories Leica M844		
0° assistant attachment	100% stereopsis at same magnification, including documentation interface, rotatable from side to side (temporal approach), built-in fine focusing, rotatable ring for binocular tube	
Double wing	For three observers simultaneously	
TV / Photo	Leica 2D video systems	
	Leica MDRS4 digital recording system	
	Leica Zoom Video Adapter (VA) f = $35 - 100$ mm, Manual VA $55/70$ mm, Remote VA $55/70$ mm	
	Photo/TV dual attachement: f = $60/85/107$ mm for TV, f = $250/350$ mm for 35 mm camera	
	Photo tube f = 250/350 mm	
Wide-angle observation	BIOM, EIBOS	
Inverters	AVI, SDI, OIVSL, ROLS	
Laser	Can be fitted, adapters available from laser suppliers	
Slit lamp	Motorized travel $\pm 23^\circ$ , slit width 0.01 $-$ 15 mm, length 3 $-$ 15 mm, Rotatable 180°, quick lamp-changer, made by Leica Microsystems	
Asepsis	Sterilizable components for all drive knobs, commercially available drapes	

## Standarde

Guideline 93/42/EEC for medical products. Classification: Class I, in compliance with appendix IX, rule 1, with reference to rule 12 of the directive. Medical Electrical Equipment, Part 1: General Requirements for Safety IEC 60601-1; EN 60601-1; UL60601-1; CAN/CSA-C22.2 NO. 601.1-M90. Electromagnetic compatibility IEC 60601-1-2; EN 60601-1-2. Leica Microsystems (Schweiz) AG holds the management system certificates for the international standards ISO 9001 / ISO 13485 and ISO 14001 relating to quality management, quality assurance and environmental management.



