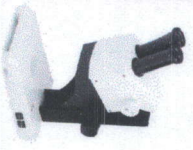
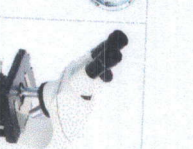


OVERVIEW TECHNICAL SPECIFICATIONS EDUCATIONAL MICROSCOPES

EDUCATIONAL MICROSCOPES											
											
Type of specimen	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens	gross specimens
Type of microscope	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough	10° Greenough
Optical system	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal	parfocal
Magnification changer	2-level, 3:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1
Eyepieces for spectacle wearers	10x/20 fixed	10x/20 fixed	16x/15 fixed	replaceable, fixed or adjustable: 10x/20, 16x/16 (20x/12 not suitable for spectacle wearers)	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1	zoom 4.4:1
Diopter correction	-	-	-	from +5 to -5 (adjustable eyepieces)	-	-	-	-	-	-	-
Viewing angle	60°	60°	60°	60°	60°	60°	60°	60°	60°	60°	60°
Working distance	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
Magnification range	10x/30x	8x to 35x	12.8x to 56x	depending on eyepieces used: 8x to 70x	8x to 35x	40x to 1000x	40x to 1000x	40x to 1000x	40x to 1000x	40x to 1000x	40x to 1000x
Maximum resolution	159 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm	170 lp/mm
Maximum objective numerical aperture	0.053 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA	0.057 NA
Object field diameter	20 mm / 6.7 mm	5.7 mm to 25 mm	4.3 mm to 18.8 mm	depending on eyepieces used: 3.4 mm to 25 mm	5.7 mm to 25 mm	0.18 mm to 4.5 mm	0.18 mm to 4.5 mm	0.18 mm to 4.5 mm	0.18 mm to 4.5 mm	0.18 mm to 4.5 mm	0.18 mm to 4.5 mm
Eyepieces	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable	replaceable
Interocular distance	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm	50 mm to 75 mm
Beam path	100% visual	100% visual	100% visual	100% visual	50% visual and 50% video/photo	100% visual	100% visual	100% visual	100% visual	100% visual	100% visual

OVERVIEW TECHNICAL SPECIFICATIONS EDUCATIONAL MICROSCOPES

EDUCATIONAL MICROSCOPES										
										
Focusing drive	Leica E32	Leica E24 10x	Leica E24 16x	Leica E24 open	Leica E24 V	Leica DM100	Leica DM300	Leica DM500	Leica DM750	Leica DM750 M
individually adjustable ease of movement, 75 mm travel	individually adjustable ease of movement, 75 mm travel	individually adjustable ease of movement, 75 mm travel	individually adjustable ease of movement, 75 mm travel	individually adjustable ease of movement, 75 mm travel	individually adjustable ease of movement, 75 mm travel	coaxial focus controls; self-adjusting focus mechanism; 300 microns per fine focus rotation; calibrated in 3 micro increments	coaxial focus controls; self-adjusting focus mechanism; 300 microns per fine focus rotation; calibrated in 3 micro increments	coaxial focus controls; self-adjusting focus mechanism; 300 microns per fine focus rotation; calibrated in 3 micro increments	weighted coaxial focus controls; self-adjusting focus mechanism; 300 microns per fine focus rotation; calibrated in 3 micro increments	weighted coaxial focus controls; self-adjusting focus mechanism; 300 microns per fine focus rotation; calibrated in 3 micro increments
ILLUMINATION SYSTEM										
LED incident light and transmitted light	integrated, independent, or combined	integrated, independent, or combined, dimmable	integrated, independent, or combined, dimmable	integrated, independent, or combined, dimmable	integrated, independent, or combined, dimmable	integrated, dimmable	integrated, dimmable	integrated, independent, or combined	integrated, independent, or combined	integrated, independent, or combined
Control	on/off switch	membrane switch	membrane switch	membrane switch	membrane switch	wheel	wheel	wheel	wheel	wheel and membrane switch
Incident light method	angled incident light with three upper LEDs	> maximum intensity with 5 LEDs > angled incident light with LEDs > side light with 3 LEDs	> maximum intensity with 5 LEDs > angled incident light with LEDs > side light with 3 LEDs	> maximum intensity with 5 LEDs > angled incident light with LEDs > side light with 3 LEDs	> maximum intensity with 5 LEDs > angled incident light with LEDs > side light with 3 LEDs	-	-	4 LEDs selectable brightfield, polarisation, oblique	4 LEDs selectable brightfield, polarisation, oblique	4 LEDs selectable brightfield, polarisation, oblique
Dimmer	-	yes, for incident and transmitted light, sealed	yes, for incident and transmitted light, sealed	yes, for incident and transmitted light, sealed	yes, for incident and transmitted light, sealed	yes, for transmitted light	yes, for transmitted light	yes, for incident and transmitted	yes, for incident and transmitted	yes, for incident and transmitted
Auto OFF	-	after 2 hours	after 2 hours	after 2 hours	after 2 hours	-	-	after 2 hours	after 2 hours	after 2 hours
LED service life	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours	approx. 25,000 hours
Light quality	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free	homogeneous daylight, free of UV maintenance-free
Maintenance	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated	universal from 100 V to 240 V, voltage-sensitive, integrated
Power supply	-	-	-	-	-	-	-	-	-	-

OVERVIEW TECHNICAL SPECIFICATIONS EDUCATIONAL MICROSCOPES

EDUCATIONAL MICROSCOPES



ACCESSORIES

Accessories	Leica E32	Leica EZ4 10x	Leica EZ4 16x	Leica EZ4 open	Leica EZ4 W	Leica DM100	Leica DM300	Leica DM500	Leica DM750	Leica DM750 M	Leica DM750 P
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OTHER	soft and hard carry case	soft and hard carry case	soft and hard carry case	soft and hard carry case	remote control or soft and hard carry case	simple polarisation kit, attachable mirror, soft and hard carry case	simple polarisation kit, attachable mirror, soft and hard carry case	phase contrast darkfield polarization kit, fluorescence measurement graticule/stage micrometer, soft and hard case	phase contrast darkfield polarization kit, fluorescence measurement graticule/stage micrometer, soft and hard case	polarization kit, fluorescence measurement graticule, stage well	phase contrast darkfield polarization kit, fluorescence measurement graticule/stage micrometer, soft and hard case
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Weight and dimensions	3.82 kg, 18 cm x 25.5 cm x 36.5 cm	3.82 kg, 18 cm x 25.5 cm x 36.5 cm	3.82 kg, 18 cm x 25.5 cm x 36.5 cm	3.64 kg, 28.0 cm x 25.5 cm x 36.5 cm	4.17 kg, 18 cm x 15.5 cm x 36.5 cm	6.5 kg, 45 cm x 31.5 cm x 42 cm	6.5 kg, 45 cm x 31.5 cm x 42 cm	9.0 kg, 40 cm x 37 cm x 39 cm	9.0 kg, 40 cm x 37 cm x 39 cm	9.0 kg, 40 cm x 37 cm x 39 cm	9.0 kg, 40 cm x 37 cm x 39 cm
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Storage and transport	integrated handle	integrated handle	integrated handle	integrated handle	integrated handle	arm grip	arm grip	integrated handle, integrated cord wrap	integrated handle, integrated cord wrap	integrated handle, integrated cord wrap	integrated handle, integrated cord wrap
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Safety Standards	CE Communauté Européenne / CSA Canadian Standards Association (USA, Canada)	CE Communauté Européenne / CSA Canadian Standards Association (USA, Canada)	CE Communauté Européenne / CSA Canadian Standards Association (USA, Canada)	CE Communauté Européenne / CSA Canadian Standards Association (USA, Canada)	CE Communauté Européenne / CSA Canadian Standards Association (USA, Canada)	cULus, CE, RoHS conforms to ISO anti-mold standard	cULus, CE, RoHS conforms to ISO anti-mold standard	integrated handle, integrated cord wrap cULus, CE, RoHS Ag Treat conforms to ISO anti-mold standard	integrated handle, integrated cord wrap cULus, CE, RoHS Ag Treat conforms to ISO anti-mold standard	integrated handle, integrated cord wrap cULus, CE, RoHS conforms to ISO anti-mold standard	integrated handle, integrated cord wrap cULus, CE, RoHS Ag Treat conforms to ISO anti-mold standard
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DIGITAL CAMERA											
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Camera											
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Modes											
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Exposure time											
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Live image											
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Full frame image acquisition											
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MICROSYSTEMS

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