



# 1820LED Cordless

Motic's 18 Series LED microscopes offer bright white illumination with no heat. By using a rechargeable battery pack, this microscope can also be used cordless. Whether your science lab is outdoors, lacks electrical outlets or you simply prefer a tangle-free work environment, our 18 Series LED microscopes offer a wide range of possibilities.

|                                       |   |
|---------------------------------------|---|
| <b>Model</b>                          | 1820 LED Cordless   |
| <b>Optical System</b>                 | Finite Optical System, 160mm                                      |
| <b>Observation tube</b>               | Binocular, sliding type   |
| <b>Interpupillary distance</b>        | 55-75mm   |
| <b>Diopter adjustment</b>             | On both tubes , +/- 5 diopter                                     |
| <b>Inclination</b>                    | 45° inclined, 360° rotating                                       |
| <b>Eyepiece(s)</b>                    | WF10X/18mm  |
| <b>Nosepiece</b>                      | Reversed quadruple revolving nosepiece with click stops           |
| <b>Objective classification</b>       | EA Achromatic, DIN  |
| <b>Objective information</b>          | 4X/0.10, 10X/0.25, 40X/0.65/S                                     |
| <b>Objective mounting thread</b>      | W 4/5" x 1/36" (RMS standard)                                     |
| <b>Stage</b>                          | Built-in low position coaxial mechanical stage with sample holder |
| <b>Stage size</b>                     | 133X136mm   |
| <b>Mechanical stage X&amp;Y range</b> | 77X31mm   |
| <b>Upper limit stop</b>               | Preset and adjustable   |
| <b>Condenser</b>                      | Focusable 1.25 N.A. Abbe Condenser with iris diaphragm            |
| <b>Focus mechanism</b>                | Separated coarse and fine focusing system with tension adjustment |
| <b>Fine focus precision</b>           | 2µm minimum increment   |
| <b>Z-axis movement</b>                | 11mm  |
| <b>Filter</b>                         | Built-in frosted glass  |
| <b>Illumination</b>                   | LED 20mA, 3.5V, 70mW with intensity control                       |
| <b>Transformer</b>                    | External  |
| <b>Power supply</b>                   | Charger 100-240V or rechargeable batteries                        |
| <b>Accessories included</b>           | Dust cover, charger and batteries                                 |
| <b>Lenght X Width X Height</b>        | 215X180X400mm   |
| <b>Weight</b>                         | 5Kg   |