# KIMAG: The measuring magnifier with LED light



Our new LED precision illuminated measuring magnifier with achromatic (chromatic aberration corrected) coated optic system consisting of four elements and two component assemblies. The measurement scale is made of glass and has a graduation 0.1 mm with a measuring length of 30 mm. The housing contains a ring consisting of eight LEDs, which provides for a bright and high-contrast illumination of the measuring field. The conflict between high resolution and wide field of view was able to be fully resolved in this product, giving efficient, precise control. For higher transmission the lenses are coated with anti-reflection coating.



Outstanding display quality via an achromatic clear glass optical system which is chromatic aberration corrected and free from distortion right up to the boundary area and the comprehensive annular light from the recently developed eight LEDs set new benchmarks in this price range. Delivery includes batteries.

In optics, an achromatic system is taken to mean a system of two lenses, consisting of glasses with a differing Abbe number (varying strength of colour dispersion). The system contains a convex lens (usually made of crown glass) and a dispersing lens with lower Abbe number and thus stronger colour dispersion than the convex lens (usually made of flint glass). In this way the chromatic aberration which every convex lens has can be corrected for two wavelengths. This means that the system has the same back focal length for both these colours. The technical data is summarised again here:

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| Order No. | **KIMAG 10** |
| Magnification factor: | 10x |
| Focusable: | Yes |
| Measuring length: | 30 mm |
| Lens coverage: | 34 mm |
| Scale graduation: | 0,1 mm |
| Optical system: | Achromatic, distortion-free |
| Dimensions: | 46 x 44 mm |
| Weight: | 74 grams |
| Accessories: | Standard scale and leather case included |



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