

## ER60-Serie | Gem Refractometers

Gemstone refractometers are used for the classification and quality control of gemstones. The gemstone to be examined is simply placed on the prism with a drop of contact fluid. The refractive index of the gemstone is read through the ocular of the refractometer. The refractive index is an important parameter in classifying a mineral or gemstone. Each mineral has its typical refractive index, due to its chemical composition and crystalline structure. Our gemstone refractometers are characterised by their particularly sharp image and good readability. With the sodium filter that only lets through light with a wavelength of 589 nm, the refractometer can be used as a mobile unit with an ordinary light source or with sufficient ambient lighting. LED illumination is also available with a wavelength of 589 nm.



ER601  
Illumination not figured



ER604  
Illumination not figured

Model overview				
	Standard Gem Refractometer		Professional Gem Refractometer	
Model / Artikel-No.	ER604	ER604-LED	ER601-NA	ER601-LED
Measurement range	1.33–1.81 nD	1.33–1.81 nD	1.33–1.83 nD	1.33–1.83 nD
Resolution	0.01 nD	0.01 nD	0.01 nD	0.01 nD
Monochromator	Na-Filter 589 nm	Na-Filter 589 nm	Na-Filter 589 nm	–
Illumination	–	LED 589 nm	–	LED 589 nm
Power supply Illumination	–	100–240 V	–	100–240 V
Prism	Optical glass			
Housing	Cast aluminium			