

### Technical Data - TORC 5000

<b>Refractive index:</b>	
Range (nD)	1.26 to 1.72
Resolution (nD)	±0.000001
Accuracy (nD)	±0.00002
Accuracy (dn/dT)	±0.00001
<b>Temperature:</b>	
Range	4 °C to 125 °C
Heating rate/cooling rate	0.001 °C/min to 10 °C/min
Temperature accuracy	±0.03 °C
Temperature resolution	±0.001 °C
Min. temperature modulation amplitude	0.1 °C
Min. temperature modulation period	10 s
Temperature control	Peltier
<b>Material in contact with sample:</b>	
Prism	Synthetic sapphire
Sample well	Stainless steel
Seal	FFKM
<b>Components:</b>	
Light source	LED light source, average lifetime > 100000 h
Wavelength	589 nm (by wavelength-adjusted interface filter)
Power requirements	100 to 240 VAC ±10 %, 50/60 Hz, min. 10 W, max. 200 W, depending on sample temperature setting and ambient temperature
<b>Dimensions:</b>	
WxHxD [mm]	Measuring unit: 195 x 135 x 194
	Communication unit: 215 x 95 x 190
Weight [kg]	Measuring unit: 6.1
	Communication unit: 3.7
<b>Further specification:</b>	
Protection class	Measuring unit: IP68