

## Technical Data - Abbemat Heavy Duty line

<b>Standard methods</b>
AOAC 953.16, AOAC 970.59, ASTM D4095, AOAC 969.18, ASTM D4542, AOAC 950.13, ASTM D5006, AOAC 983.01, DIN 51423, ICUMSA SPS-3, ICUMSA GS4/3-13, OIV MA-AS312-01B, Ph. Eur. 2.2.6 - Refractive index, USP 831 - Refractive index

	<b>Abbemat 450</b>	<b>Abbemat 650</b>
<b>Measuring range:</b>		
<b>Refractive index [nD]</b>	1.26 - 1.72	1.26 - 1.72
<b>Brix [%]</b>	0 - 100	0 - 100
<b>Temperature [°C]</b>	42 - 125	42 - 125
<b>Resolution:</b>		
<b>Refractive Index [nD]</b>	± 0.00001	± 0.00001
<b>Brix [%]</b>	0.01	0.001
<b>Temperature [°C]</b>	0.01	0.01
<b>Accuracy:</b>		
<b>Refractive index [nD]</b>	± 0.0001	± 0.00002
<b>Brix [%]</b>	± 0.05	± 0.015
<b>Temperature [°C]</b>	± 0.05	± 0.03
<b>Temperatur stability [°C]</b>	± 0.002	± 0.002
<b>Additional Information:</b>		
<b>Prism material</b>	Synthetic sapphire	YAG (Yttrium-Aluminium-Garnet)
<b>Light source</b>	LED, average life: >100,000 h	
<b>Wavelength</b>	589.3 ± 0.1 nm (Sodium D)	
<b>Minimum sample amount</b>	approx. 0.2 mL	
<b>Interfaces</b>	RS-232 (PC)/ CAN BUS/ Ethernet/ VGA	
<b>Methods for</b>	Sugar/Chemistry/Food and Beverage/Pharmaceutics/Flavor and Fragrances Medicine/ Petroleum In close cooperation with our customers, Anton Paar continuously collects and develops new methods and applications. Please contact us for an updated method list.	
<b>Calibration</b>	One point calibration/ Two point calibration	
<b>Wetted parts</b>	Synthetic sapphire, FFKM, PPS-GF40, PTFE/ETFE, silicone, anodized aluminum	