

## Technical Data - SDA M

<b>Patents:</b>	
<b>Patents granted</b>	AT 516420 (B1), AT 517082 (B1)
<b>Patents pending</b>	AT 517486 (A1)
<b>Measuring range:</b>	
<b>Density</b>	0 g/cm <sup>3</sup> to 3 g/cm <sup>3</sup>
<b>Sound velocity</b>	1000 m/s to 2000 m/s
<b>Temperature</b>	20 °C (68 °F)
<b>Current/fresh/inverted sugar concentration</b>	0 °Brix to 80 °Brix
<b>Degree of inversion</b>	0 % to 100 %
<b>Accuracy:</b>	
<b>Density</b>	0.000007 g/cm <sup>3</sup>
<b>Temperature</b>	0.01 °C (0.02 °F)
<b>Repeatability s.d.:</b>	
<b>Density</b>	0.000001 g/cm <sup>3</sup>
<b>Sound velocity</b>	0.1 m/s
<b>Temperature</b>	0.001 °C (0.002 °F)
<b>Current sugar concentration</b>	0.01 °Brix
<b>Fresh/inverted sugar concentration</b>	0.02 °Brix
<b>Degree of inversion</b>	1%
<b>Reproducibility s.d.:</b>	
<b>Density</b>	0.000005 g/cm <sup>3</sup>
<b>Sound velocity</b>	0.5 m/s
<b>Integrated tables</b>	Concentration sugar current/fresh/inverted
	Degree of inversion for soft drinks, syrup, and HFCS
<b>Minimum sample amount</b>	20 mL of degassed soft drink
	40 mL of syrup
<b>Measuring time per sample</b>	5 minutes (including filling time)
<b>Dimensions (L x W x H)</b>	495 mm x 330 mm x 230 mm (19.5 in x 13 in x 9.1 in)
<b>Data memory</b>	1000 measuring values (optional ring memory)
<b>Interfaces</b>	4 x USB/ RS-232/ CAN/ VGA/ Ethernet
<b>Display</b>	Bright 10.4" TFT PCAP touchscreen (640 px x 480 px) with customizable display layout
<b>Wetted parts</b>	PTFE, borosilicate glass, stainless steel DIN 1.4539/UNS N08904 & DIN 1. 1.4571/SS 316Ti, silicone, Tygon