

Technical Data - DietQC

Technical Specifications		
	Measuring range	Repeatability s.d.
Density	0 g/cm ³ to 3 g/cm ³	DMA 5000 M/ SDA M: 0.000001 g/cm ³
Sound velocity	1000 m/s to 2000 m/s	0.1 m/s
Concentration sugar	0 °Brix to 15 °Brix	<0.01 °Brix
Concentration sugar fresh/ inverted	0 °Brix to 15 °Brix	0.02 °Brix
Degree of inversion	0 % to 100 %	1%
Diet concentration	0 % to 200 % or	Colored diet drinks: 0.2 %
For typical diet beverage compositions	0 mL to 100 mL NaOH or 0 g/L to 100 g/L TA	Uncolored diet drinks (via UV measurement): 0.4 % Uncolored or turbid diet drinks (via density measurement): 0.4 %
pH	pH 0 to pH 14	0.02 (in the range pH 3 to pH 7)
Measuring time	3 to 5 minutes	
Sample temperature	DMA M as master: 4 °C to 25 °C (39 °F to 77 °F) SDA M as master: 15 °C to 25 °C (59 °F to 77 °F)	
Sample volume per measurement	30 mL (approx. 20 mL per additional measuring module)	
Touchscreen	10.4" TFT PCAP touchscreen 640 px x 480 px	
Memory	1000 measured data with/without camera pictures	
Interfaces	4x USB/ Ethernet/ CAN Bus/ RS 232/ VGA	
RS232 printer settings	Interface: RS232; Baud rate: 9600; Parity: none; Stop bit: 1; Data bits: 8	