

TECHNICAL DATA – ABBE REFRACTOMETER

	AR2008	AR4
SCALES	Refractive index (nD) concentration of sucrose [%Brix]	
MEASUREMENT RANGE	nD 1.3000–1.7200 0–95%Brix	
ACCURACY	nD ± 0.0002 ± 0.1 %Brix	
RESOLUTION	nD 0.0001 0.1 %Brix	nD 0.0005 0.25 %Brix
MEASUREMENT PRISM	Optical glass	
LIGHT SOURCE	LED	
WAVELENGTH	589 nm	
TEMPERATURE COMPENSATION	0–90 °C	
TEMPERATURE MEASUREMENT	Digital thermometer	
TEMPERATURE MEASUREMENT RANGE	0–99 °C	0–99 °C
TEMP. MEASUREMENT ACCURACY	± 0.3 °C	± 0.5 °C
TEMP. MEASUREMENT RESOLUTION	0.1 °C	
METHODS		Adjustable scale
CONTROL	Digital evaluation	Reading via eyepiece
HOUSING	Aluminum cast, powder-coated	
INTERFACES	RS-232, RS-422	
OPERATING VOLTAGE	115/230 V, reversible	7.5 V
POWER CONSUMPTION (MAX.)	40 W	15 W
DIMENSIONS (W X H X D)	120 mm x 290 mm x 250 mm	100 mm x 270 mm x 190 mm
WEIGHT	5 kg	2.5 kg
SPECIAL FEATURES	Thermostat connections available	

Version 5.0 | Status: May 2018 | Subject to modifications and errors.