

ABBE REFRACTOMETER | AR4

Technical Data



Technical data

Basic device data

DESIGNATION	KEY DATA
SCALES	Refractive index (nD), Concentration of saccharose [%Brix]
MEASUREMENT RANGE	nD 1.3000–1.7200 0–95 %Brix
MEASUREMENT ACCURACY	nD $\pm 0,0002$ ± 0.1 %Brix
RESOLUTION	nD 0.0005 0.25 %Brix
MEASUREMENT PRISM	Optical glass
LIGHT SOURCE	LED
WAVELENGTH	589 nm
OPERATION	Reading via eyepiece
HOUSING	Aluminum cast; powder-coated
DIMENSIONS (B X H X T)	100 mm x 270 mm x 190 mm
DEVICE WEIGHT	2.5 kg

Temperature data

DESIGNATION	KEY DATA
TEMPERATURE COMPENSATION	-
TEMPERATURE MEASUREMENT	Digital thermometer
TEMPERATURE MEASUREMENT RANGE	0–99 °C
TEMPERATURE MEASUREMENT ACCURACY	± 0.5 °C
TEMPERATURE MEASUREMENT RESOLUTION	0.1 °C

Electrical data

DESIGNATION	KEY DATA
OPERATING VOLTAGE	7.5 V
POWER CONSUMPTION (MAX.)	15 W