

ABBE REFRACTOMETER | AR2008

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
MEASUREMENT ACCURACY	nD ± 0.0002 ± 0.1 %Brix
RESOLUTION	nD 0.0001 0.1 %Brix
MEASUREMENT PRISM	Optical glass (SF4)
LIGHT SOURCE	LED
WAVELENGTH	589 nm
OPERATION	Drive knob, selection keys
INTERFACES	RS-232, RS-422
HOUSING	Aluminum cast; powder-coated
DIMENSIONS (B X H X T)	120 mm x 290 mm x 250 mm
DEVICE WEIGHT	5 kg

Temperature data

DESIGNATION	KEY DATA
TEMPERATURE COMPENSATION	Can be activated (ICUMSA) 0–90 °C
TEMPERATURE MEASUREMENT	Digital thermometer
TEMPERATURE MEASUREMENT RANGE	0–99 °C
TEMPERATURE MEASUREMENT ACCURACY	± 0.3 °C
TEMPERATURE MEASUREMENT RESOLUTION	0.1 °C

Electrical data

DESIGNATION	KEY DATA
OPERATING VOLTAGE	115/230 V, switchable
POWER CONSUMPTION (MAX.)	40 W