

Abbe-Refractometers, A. KRÜSS Optronic

Abbe refractometer AR4 and AR2008

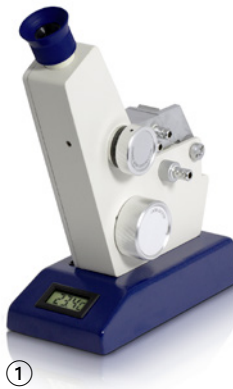
The models AR4 and AR2008 are two classic Abbe refractometers. With the AR2008 the evaluation of the measurement takes place digitally and with the AR4 the measured value is then read via an eyepiece.

AR4:

The AR4 determines the refractive index and the sugar content of liquid samples. The scales can be adjusted manually using the drive knob. The measured value is then read via an eyepiece. The refractometer can be connected to a thermostat, e.g. the circulation thermostat PT31 in order to maintain the temperature at 20°C or 25°C. The temperature will be measured with the integrated digital thermometer and shown on the LCD display. The measurement of solid samples is also possible.

AR2008:

The AR2008 measures the refractive index or the sugar content of liquid samples. The output of the measurement results including temperature is performed digitally. A serial interface allows you to directly send the measured values together with the date and time of day to a PC or printed out. The refractometer can be coupled with a thermostat, e.g. the circulation thermostat PT80. In this combination, the device measures the refractive index within the temperature range of 5 – 80°C. An automatic temperature compensation for the Brix scale can be optionally connected. The measurement of solid samples is also possible.



Type	Scales	Measurement accuracy nD/% Brix	Measuring range nD/% Brix	Resolution nD/% Brix	Temperature range °C	Order No.
① AR 4	Refractive index (nD), concentration of sucrose [%Brix]	±0.0002/±0.1	1.3000–1.7200/0–95	0.0005/0.25	0 – 99	63 61 94004
② AR2008	Refractive index (nD), concentration of sucrose [%Brix]	±0.0002/±0.1	1.3000–1.7200/0–95	0.0001/0.1	0 – 99	63 61 92008

