

Information on Zeiss Polarimeter IMG 3281 provided by Chris Ambidge

It was made by Carl Zeiss, and can be dated to between 1971 and 1990 [there's a Canadian agent listed on a label, with a postal code, and they came in in 1971; the manufacturer is "Zeiss West Germany", and Germany was re-united in 1990].

It is not clear that it has ever been used in Canada -- it has a European power plug. It has a lamp inside, and the light either is, or can be adjusted to mimic, light at 589nm (the Sodium D lines, cheap monochromatic light). Like the two (much older) polarimeters in the Chemical Engineering collection, the field of view is circular and divided vertically to two semicircles; there's an adjustment knob (right hand side, visible in the photo) that the operator turns to make the two halves appear to have identical brightness of (yellow, Na) light. Presumably there is a scale visible inside at the same time (unconfirmed since the polarimeter can't be plugged in) but, unlike the older, Hilger and Schmidt polarimeters listed in this section, it has no external scale of degrees. The sample compartment is cylindrical, and is located along the upper side of the instrument. The small silver-coloured spherical knob opens the lid of the compartment. It would hold standard 1dm or 2dm tubes.